

```
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:53:43.691:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
SYS :2023/05/11 02:53:43.691:CPU2-Logger:[app] cur_size (358532) > max_size (358400)
####:2023/05/11 02:53:43.692: New Log File
SYS :2023/05/11 02:53:43.692:CPU2-Logger:New [app] log file created on CPU-2.los178.230-cpu1900
[lsize]
SYS :2023/05/11 02:53:43.692:CPU2-Logger:Current Running SW Version: 6.3.24.1
CHR :2023/05/11 02:53:43.691:VETMS_CHM_RECORDER:2023/05/11|02:53:43.691|22|EMF|3|5100|2
CHR :2023/05/11 02:53:43.692:VETMS_CHM_RECORDER:2023/05/11|02:53:43.692|3|TRN|4|NS
4342|1|NS.14M.0.05102023|NS|623|0319585|NS|2|623|FR|F|3|20209|213|852|12724|144|69|4909703|40
SYS :2023/05/11 02:53:43.698:LogMgr:Compress: /disk/var/log/app.NS.4342.20230511025343.log
(358617 bytes) -> /disk/var/log/app.NS.4342.20230511025343.log.gz
SYS :2023/05/11 02:53:43.724:LogMgr:Monitor: /disk/var/log/app.NS.4342.20230511025343.log.gz
(42178 bytes)
WARN:2023/05/11 02:53:43.742:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:53:43.742:VETMS_CHM_RECORDER:2023/05/11|02:53:43.742|22|EMF|3|5100|2
SYS :2023/05/11 02:53:43.790:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-5161] ignoring updates.
WARN:2023/05/11 02:53:43.790:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:53:43.790:VETMS_CHM_RECORDER:2023/05/11|02:53:43.790|22|EMF|3|5100|2
WARN:2023/05/11 02:53:43.813:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-4] seconds!
CHR :2023/05/11 02:53:43.813:VETMS_CHM_RECORDER:2023/05/11|02:53:43.813|22|EMF|3|5100|2
SYS :2023/05/11 02:53:43.881:LOCATION:location_validate_best_on_route_sol: last DR time
1683773623.44 GPS time 1683773624.0
SYS :2023/05/11 02:53:43.881:LOCATION:dead_reckoner: DR position [NS:5620,9050:10965]
overwritten with Abs pos[NS:5620,9050:10927] GPS time gap[-0.119000] GPS dist gap[-5.156151]
WARN:2023/05/11 02:53:43.881:LOCATION:dead_reckoner: GPS time gap[-0.119000] negative wrt
current time
SYS :2023/05/11 02:53:44.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10920]
CHR :2023/05/11
02:53:44.056:VETMS_CHM_RECORDER:2023/05/11|02:53:44.056|6|LOC|4|29.55|30|NS|5620|MAIN
1|YG74.8382|9050|10965|NS|5620|MAIN 1|YG77.2713|9053|7555|2|5|41.61
SYS :2023/05/11 02:53:44.057:WHEEL_CALIBRATION:wc_distance_calibration: Starting mapped wheel
calibration
SYS :2023/05/11 02:53:44.054:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:44.064:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:53:44.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773624.45 GPS time 1683773625.0
SYS :2023/05/11 02:53:44.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:10920]
overwritten with Abs pos[NS:5620,9050:10884] GPS time gap[-0.099000] GPS dist gap[-4.290561]
WARN:2023/05/11 02:53:44.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:53:45.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10878]
CHR :2023/05/11
```

02:53:45.056:VETMS_CHM_RECORDER:2023/05/11|02:53:45.056|6|LOC|4|29.56|30|NS|5620|MAIN
1|YG74.8304|9050|10920|NS|5620|MAIN 1|YG77.2630|9053|7510|2|5|41.61
SYS :2023/05/11 02:53:45.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:45.064:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:53:45.900:LOCATION:location_validate_best_on_route_sol: last DR time
1683773625.45 GPS time 1683773626.0
SYS :2023/05/11 02:53:45.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:10878]
overwritten with Abs pos[NS:5620,9050:10841] GPS time gap[-0.100000] GPS dist gap[-4.332900]
WARN:2023/05/11 02:53:45.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt
current time
SYS :2023/05/11 02:53:46.044:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10835]
CHR :2023/05/11
02:53:46.058:VETMS_CHM_RECORDER:2023/05/11|02:53:46.058|6|LOC|4|29.55|30|NS|5620|MAIN
1|YG74.8230|9050|10878|NS|5620|MAIN 1|YG77.2553|9053|7468|2|5|41.61
SYS :2023/05/11 02:53:46.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:46.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:53:46.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773626.44 GPS time 1683773627.0
SYS :2023/05/11 02:53:46.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:10835]
overwritten with Abs pos[NS:5620,9050:10798] GPS time gap[-0.091000] GPS dist gap[-3.944759]
WARN:2023/05/11 02:53:46.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt
current time
SYS :2023/05/11 02:53:47.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10793]
CHR :2023/05/11
02:53:47.056:VETMS_CHM_RECORDER:2023/05/11|02:53:47.056|5|GPS|3|1|40:58.3249|N|80:23.0123|W|2|09|
1.1
CHR :2023/05/11
02:53:47.056:VETMS_CHM_RECORDER:2023/05/11|02:53:47.056|5|GPS|3|2|40:58.3225|N|80:23.0132|W|2|09|
1.2
CHR :2023/05/11
02:53:47.056:VETMS_CHM_RECORDER:2023/05/11|02:53:47.056|6|LOC|4|29.56|30|NS|5620|MAIN
1|YG74.8156|9050|10835|NS|5620|MAIN 1|YG77.2473|9053|7425|2|5|41.61
SYS :2023/05/11 02:53:47.054:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:47.064:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:53:47.655:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:53:47.655:VETMS_CHM_RECORDER:2023/05/11|02:53:47.655|22|EMF|3|5100|2
SYS :2023/05/11 02:53:47.726:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-5332] ignoring updates.
WARN:2023/05/11 02:53:47.751:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:53:47.751:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-4] seconds!
CHR :2023/05/11 02:53:47.752:VETMS_CHM_RECORDER:2023/05/11|02:53:47.752|22|EMF|3|5100|2
CHR :2023/05/11 02:53:47.752:VETMS_CHM_RECORDER:2023/05/11|02:53:47.752|22|EMF|3|5100|2

SYS :2023/05/11 02:53:47.902:LOCATION:location_validate_best_on_route_sol: last DR time
1683773627.45 GPS time 1683773628.0

SYS :2023/05/11 02:53:47.902:LOCATION:dead_reckoner: DR position [NS:5620,9050:10793]
overwritten with Abs pos[NS:5620,9050:10755] GPS time gap[-0.098000] GPS dist gap[-4.250162]

WARN:2023/05/11 02:53:47.902:LOCATION:dead_reckoner: GPS time gap[-0.098000] negative wrt
current time

SYS :2023/05/11 02:53:48.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10749]

CHR :2023/05/11
02:53:48.064:VETMS_CHM_RECORDER:2023/05/11|02:53:48.064|6|LOC|4|29.58|30|NS|5620|MAIN
1|YG74.8083|9050|10793|NS|5620|MAIN 1|YG77.2396|9053|7383|2|5|41.61

SYS :2023/05/11 02:53:48.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:48.082:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:53:48.898:LOCATION:location_validate_best_on_route_sol: last DR time
1683773628.50 GPS time 1683773629.0

SYS :2023/05/11 02:53:48.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:10749]
overwritten with Abs pos[NS:5620,9050:10712] GPS time gap[-0.102000] GPS dist gap[-4.420578]

WARN:2023/05/11 02:53:48.899:LOCATION:dead_reckoner: GPS time gap[-0.102000] negative wrt
current time

SYS :2023/05/11 02:53:49.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10706]

CHR :2023/05/11
02:53:49.057:VETMS_CHM_RECORDER:2023/05/11|02:53:49.057|6|LOC|4|29.56|30|NS|5620|MAIN
1|YG74.8006|9050|10749|NS|5620|MAIN 1|YG77.2314|9053|7339|2|5|41.61

SYS :2023/05/11 02:53:49.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:49.064:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:53:49.929:LOCATION:location_validate_best_on_route_sol: last DR time
1683773629.45 GPS time 1683773630.0

SYS :2023/05/11 02:53:49.929:LOCATION:dead_reckoner: DR position [NS:5620,9050:10706]
overwritten with Abs pos[NS:5620,9050:10669] GPS time gap[-0.071000] GPS dist gap[-3.077069]

WARN:2023/05/11 02:53:49.929:LOCATION:dead_reckoner: GPS time gap[-0.071000] negative wrt
current time

SYS :2023/05/11 02:53:50.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10664]

CHR :2023/05/11
02:53:50.058:VETMS_CHM_RECORDER:2023/05/11|02:53:50.057|6|LOC|4|29.56|30|NS|5620|MAIN
1|YG74.7931|9050|10706|NS|5620|MAIN 1|YG77.2235|9053|7296|2|5|41.61

SYS :2023/05/11 02:53:50.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:50.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:53:50.910:LOCATION:location_validate_best_on_route_sol: last DR time
1683773630.45 GPS time 1683773631.0

SYS :2023/05/11 02:53:50.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:10664]
overwritten with Abs pos[NS:5620,9050:10626] GPS time gap[-0.090000] GPS dist gap[-3.900510]

WARN:2023/05/11 02:53:50.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time

SYS :2023/05/11 02:53:51.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10621]

CHR :2023/05/11
02:53:51.061:VETMS_CHM_RECORDER:2023/05/11|02:53:51.061|6|LOC|4|29.56|30|NS|5620|MAIN
1|YG74.7858|9050|10664|NS|5620|MAIN 1|YG77.2157|9053|7254|2|5|41.61

SYS :2023/05/11 02:53:51.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:51.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:53:51.651:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:53:51.652:VETMS_CHM_RECORDER:2023/05/11|02:53:51.652|22|EMF|3|5100|2
WARN:2023/05/11 02:53:51.782:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
SYS :2023/05/11 02:53:51.783:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-5503] ignoring updates.
CHR :2023/05/11 02:53:51.783:VETMS_CHM_RECORDER:2023/05/11|02:53:51.783|22|EMF|3|5100|2
WARN:2023/05/11 02:53:51.808:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:53:51.809:VETMS_CHM_RECORDER:2023/05/11|02:53:51.809|22|EMF|3|5100|2
WARN:2023/05/11 02:53:51.863:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-2] seconds!
CHR :2023/05/11 02:53:51.864:VETMS_CHM_RECORDER:2023/05/11|02:53:51.864|22|EMF|3|5100|2
SYS :2023/05/11 02:53:51.921:LOCATION:location_validate_best_on_route_sol: last DR time 1683773631.45 GPS time 1683773632.0
SYS :2023/05/11 02:53:51.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:10621] overwritten with Abs pos[NS:5620,9050:10583] GPS time gap[-0.079000] GPS dist gap[-3.420542]
WARN:2023/05/11 02:53:51.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt current time
SYS :2023/05/11 02:53:52.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10578]
CHR :2023/05/11
02:53:52.059:VETMS_CHM_RECORDER:2023/05/11|02:53:52.059|5|GPS|3|1|40:58.3521|N|80:23.0423|W|2|09|1.1
CHR :2023/05/11
02:53:52.059:VETMS_CHM_RECORDER:2023/05/11|02:53:52.059|5|GPS|3|2|40:58.3497|N|80:23.0422|W|2|09|1.1
CHR :2023/05/11
02:53:52.059:VETMS_CHM_RECORDER:2023/05/11|02:53:52.059|6|LOC|4|29.53|30|NS|5620|MAIN 1|YG74.7783|9050|10621|NS|5620|MAIN 1|YG77.2078|9053|7211|2|5|41.61
SYS :2023/05/11 02:53:52.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:52.065:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:53:52.080:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:53:52.085:VETMS_CHM_RECORDER:2023/05/11|02:53:52.085|22|EMF|3|5100|2
SYS :2023/05/11 02:53:52.908:LOCATION:location_validate_best_on_route_sol: last DR time 1683773632.45 GPS time 1683773633.0
SYS :2023/05/11 02:53:52.908:LOCATION:dead_reckoner: DR position [NS:5620,9050:10578] overwritten with Abs pos[NS:5620,9050:10541] GPS time gap[-0.092000] GPS dist gap[-3.976976]
WARN:2023/05/11 02:53:52.908:LOCATION:dead_reckoner: GPS time gap[-0.092000] negative wrt current time
SYS :2023/05/11 02:53:53.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10536]
CHR :2023/05/11
02:53:53.056:VETMS_CHM_RECORDER:2023/05/11|02:53:53.056|6|LOC|4|29.48|30|NS|5620|MAIN 1|YG74.7708|9050|10578|NS|5620|MAIN 1|YG77.1999|9053|7168|2|5|41.61

SYS :2023/05/11 02:53:53.054:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:53.063:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:53:53.875:LOCATION:location_validate_best_on_route_sol: last DR time 1683773633.45 GPS time 1683773634.0

SYS :2023/05/11 02:53:53.875:LOCATION:dead_reckoner: DR position [NS:5620,9050:10536] overwritten with Abs pos[NS:5620,9050:10497] GPS time gap[-0.125000] GPS dist gap[-5.397125]

WARN:2023/05/11 02:53:53.875:LOCATION:dead_reckoner: GPS time gap[-0.125000] negative wrt current time

SYS :2023/05/11 02:53:54.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10490]

CHR :2023/05/11 02:53:54.057:VETMS_CHM_RECORDER:2023/05/11|02:53:54.057|6|LOC|4|29.45|30|NS|5620|MAIN 1|YG74.7635|9050|10536|NS|5620|MAIN 1|YG77.1921|9053|7126|2|5|41.61

SYS :2023/05/11 02:53:54.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:54.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:53:54.900:LOCATION:location_validate_best_on_route_sol: last DR time 1683773634.45 GPS time 1683773635.0

SYS :2023/05/11 02:53:54.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:10490] overwritten with Abs pos[NS:5620,9050:10455] GPS time gap[-0.100000] GPS dist gap[-4.311600]

WARN:2023/05/11 02:53:54.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt current time

SYS :2023/05/11 02:53:55.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10449]

CHR :2023/05/11 02:53:55.057:VETMS_CHM_RECORDER:2023/05/11|02:53:55.057|6|LOC|4|29.40|30|NS|5620|MAIN 1|YG74.7555|9050|10490|NS|5620|MAIN 1|YG77.1836|9053|7080|2|5|41.61

SYS :2023/05/11 02:53:55.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:53:55.064:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:53:55.444:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:53:55.444:VETMS_CHM_RECORDER:2023/05/11|02:53:55.444|22|EMF|3|5100|2

SYS :2023/05/11 02:53:55.574:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-5677] ignoring updates.

ERR :2023/05/11 02:53:55.622:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)

WARN:2023/05/11 02:53:55.674:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

WARN:2023/05/11 02:53:55.674:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:53:55.674:VETMS_CHM_RECORDER:2023/05/11|02:53:55.674|22|EMF|3|5100|2

CHR :2023/05/11 02:53:55.674:VETMS_CHM_RECORDER:2023/05/11|02:53:55.674|22|EMF|3|5100|2

WARN:2023/05/11 02:53:55.719:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:53:55.719:VETMS_CHM_RECORDER:2023/05/11|02:53:55.719|22|EMF|3|5100|2

WARN:2023/05/11 02:53:55.810:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

```

CHR :2023/05/11 02:53:55.810:VETMS_CHM_RECORDER:2023/05/11|02:53:55.810|22|EMF|3|5100|2
SYS :2023/05/11 02:53:55.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773635.45 GPS time 1683773636.0
SYS :2023/05/11 02:53:55.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:10449]
overwritten with Abs pos[NS:5620,9050:10412] GPS time gap[-0.087000] GPS dist gap[-3.747612]
WARN:2023/05/11 02:53:55.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:53:56.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10407]
CHR :2023/05/11
02:53:56.058:VETMS_CHM_RECORDER:2023/05/11|02:53:56.058|6|LOC|4|29.38|30|NS|5620|MAIN
1|YG74.7484|9050|10449|NS|5620|MAIN 1|YG77.1760|9053|7039|2|5|41.61
SYS :2023/05/11 02:53:56.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:56.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:53:56.892:LOCATION:location_validate_best_on_route_sol: last DR time
1683773636.45 GPS time 1683773637.0
SYS :2023/05/11 02:53:56.892:LOCATION:dead_reckoner: DR position [NS:5620,9050:10407]
overwritten with Abs pos[NS:5620,9050:10370] GPS time gap[-0.108000] GPS dist gap[-4.646700]
WARN:2023/05/11 02:53:56.892:LOCATION:dead_reckoner: GPS time gap[-0.108000] negative wrt
current time
SYS :2023/05/11 02:53:57.056:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10363]
OTX :2023/05/11 02:53:57.068:OTC_TX:Sending Office msg [2080], Seq # [0x1b1], Dest [ns.b:b1]
CHR :2023/05/11
02:53:57.068:VETMS_CHM_RECORDER:2023/05/11|02:53:57.068|5|GPS|3|1|40:58.3792|N|80:23.0717|W|2|09|
1.1
OTXD:2023/05/11 02:53:57.068:OTC_TX:000 | 04 08 20 05 11 00 00 52 00 00 01 b1 64 5c 58 c5 | ..
....R....d\X.
CHR :2023/05/11
02:53:57.068:VETMS_CHM_RECORDER:2023/05/11|02:53:57.068|5|GPS|3|2|40:58.3766|N|80:23.0722|W|2|09|
1.1
SYS :2023/05/11 02:53:57.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
OTXD:2023/05/11 02:53:57.068:OTC_TX:001 | 1d 01 2c 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | ...
ns.l.ns.434
CHR :2023/05/11
02:53:57.068:VETMS_CHM_RECORDER:2023/05/11|02:53:57.068|6|LOC|4|29.34|30|NS|5620|MAIN
1|YG74.7411|9050|10407|NS|5620|MAIN 1|YG77.1683|9053|6997|2|5|41.61
OTXD:2023/05/11 02:53:57.068:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 62 31 00 4e 53 |
2:itc.ns.b:b1.NS
OTXD:2023/05/11 02:53:57.068:OTC_TX:003 | 20 20 00 00 00 00 00 0b 67 93 02 59 47 00 06 4d |
.....g..YG..M
OTXD:2023/05/11 02:53:57.068:OTC_TX:004 | 41 49 4e 20 31 4e 53 20 20 15 f4 00 0b c6 63 02 | AIN
1NS .....c.
OTXD:2023/05/11 02:53:57.068:OTC_TX:005 | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..
OTXD:2023/05/11 02:53:57.068:OTC_TX:006 | 1d 00 11 02 04 cd 34 7a e3 a8 76 fc 18 cc 21 7c |
.....4z..v...!|
OTXD:2023/05/11 02:53:57.068:OTC_TX:007 | 02 09 07 e7 05 0b 02 35 39 01 05 04 00 00 00 00 |
.....59.....
OTXD:2023/05/11 02:53:57.068:OTC_TX:008 | 21 64 bf 83 | !d..
SYS :2023/05/11 02:53:57.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11

```

```

02:53:57.091:VETMS_CHM_RECORDER:2023/05/11|02:53:57.091|21|EMP|2|2080|1|1|0408200511000052000001b
1645c58c51d012c00206e732e6c2e6e732e343334323a697463006e732e623a6231004e5320200000000000b67930259
4700064d41494e20314e53202015f4000bc66302594700064d41494e20314e53202015f41d00110204cd347ae3a876
CHR :2023/05/11
02:53:57.091:VETMS_CHM_RECORDER:fc18cc217c020907e7050b023539010504000000002164bf83
SYS :2023/05/11 02:53:57.900:LOCATION:location_validate_best_on_route_sol: last DR time
1683773637.56 GPS time 1683773638.0
SYS :2023/05/11 02:53:57.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:10363]
overwritten with Abs pos[NS:5620,9050:10327] GPS time gap[-0.100000] GPS dist gap[-4.295500]
WARN:2023/05/11 02:53:57.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt
current time
SYS :2023/05/11 02:53:58.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10321]
CHR :2023/05/11
02:53:58.066:VETMS_CHM_RECORDER:2023/05/11|02:53:58.066|6|LOC|4|29.29|30|NS|5620|MAIN
1|YG74.7334|9050|10363|NS|5620|MAIN 1|YG77.1601|9053|6953|2|5|41.61
SYS :2023/05/11 02:53:58.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:58.073:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:53:58.890:LOCATION:location_validate_best_on_route_sol: last DR time
1683773638.53 GPS time 1683773639.0
SYS :2023/05/11 02:53:58.890:LOCATION:dead_reckoner: DR position [NS:5620,9050:10321]
overwritten with Abs pos[NS:5620,9050:10284] GPS time gap[-0.110000] GPS dist gap[-4.718340]
WARN:2023/05/11 02:53:58.890:LOCATION:dead_reckoner: GPS time gap[-0.110000] negative wrt
current time
WARN:2023/05/11 02:53:59.045:DATASET_MGR:get_poll_rate: Subdivision 'NS ':9904 assigned default
SLOW poll rate - cannot determine distance
SYS :2023/05/11 02:53:59.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10278]
CHR :2023/05/11
02:53:59.057:VETMS_CHM_RECORDER:2023/05/11|02:53:59.057|6|LOC|4|29.25|30|NS|5620|MAIN
1|YG74.7261|9050|10321|NS|5620|MAIN 1|YG77.1524|9053|6911|2|5|41.61
SYS :2023/05/11 02:53:59.054:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:53:59.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:53:59.723:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:53:59.723:VETMS_CHM_RECORDER:2023/05/11|02:53:59.723|22|EMF|3|5100|2
WARN:2023/05/11 02:53:59.763:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:53:59.764:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-5846] ignoring updates.
WARN:2023/05/11 02:53:59.764:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:53:59.764:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:53:59.764:VETMS_CHM_RECORDER:2023/05/11|02:53:59.764|22|EMF|3|5100|2
CHR :2023/05/11 02:53:59.764:VETMS_CHM_RECORDER:2023/05/11|02:53:59.764|22|EMF|3|5100|2
CHR :2023/05/11 02:53:59.764:VETMS_CHM_RECORDER:2023/05/11|02:53:59.764|22|EMF|3|5100|2
WARN:2023/05/11 02:53:59.836:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU

```

ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:53:59.836:VETMS_CHM_RECORDER:2023/05/11|02:53:59.836|22|EMF|3|5100|2

SYS :2023/05/11 02:53:59.894:LOCATION:location_validate_best_on_route_sol: last DR time 1683773639.45 GPS time 1683773640.0

SYS :2023/05/11 02:53:59.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:10278] overwritten with Abs pos[NS:5620,9050:10242] GPS time gap[-0.106000] GPS dist gap[-4.541464]

WARN:2023/05/11 02:53:59.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt current time

SYS :2023/05/11 02:54:00.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10236]

CHR :2023/05/11

02:54:00.062:VETMS_CHM_RECORDER:2023/05/11|02:54:00.062|6|LOC|4|29.22|30|NS|5620|MAIN 1|YG74.7186|9050|10278|NS|5620|MAIN 1|YG77.1444|9053|6868|2|5|41.61

SYS :2023/05/11 02:54:00.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:00.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:00.089:ENFORCEMENT:,SPD,29.2,mph,LL:MP,74.7084, NS, 5620, 9050,10219,TL,MP,77.1398, NS, 5620, 9053, 6843,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM State,0,TN,004,TE,00266,DBON,0,DBE,00293,PCS,0,STS,00,GRD, 0.00%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0082686,LRF,-0001639,L BF,+0000000,CRF,-0047794,CBF,+0000000,GF,+0000104,CF,-0007649,

SYS :2023/05/11

02:54:00.089:ENFORCEMENT:,PA,0.01340,*,AA,-0.03410,TTE,***,DTE,***,TD,***,ECL,01464,ECT,49,EMS,29 .2,BCL,02668,BCT,77,BMS,29.2,PCL,01900,PCT,46,WCL,02702,WCT,77,WMS,29.6,SFO,0315,

SYS :2023/05/11 02:54:00.910:LOCATION:location_validate_best_on_route_sol: last DR time 1683773640.51 GPS time 1683773641.0

SYS :2023/05/11 02:54:00.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:10236] overwritten with Abs pos[NS:5620,9050:10199] GPS time gap[-0.090000] GPS dist gap[-3.853170]

WARN:2023/05/11 02:54:00.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt current time

SYS :2023/05/11 02:54:01.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10193]

CHR :2023/05/11

02:54:01.064:VETMS_CHM_RECORDER:2023/05/11|02:54:01.064|6|LOC|4|29.20|30|NS|5620|MAIN 1|YG74.7113|9050|10236|NS|5620|MAIN 1|YG77.1367|9053|6826|2|5|41.61

SYS :2023/05/11 02:54:01.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:01.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:01.891:LOCATION:location_validate_best_on_route_sol: last DR time 1683773641.51 GPS time 1683773642.0

SYS :2023/05/11 02:54:01.891:LOCATION:dead_reckoner: DR position [NS:5620,9050:10193] overwritten with Abs pos[NS:5620,9050:10157] GPS time gap[-0.109000] GPS dist gap[-4.665527]

WARN:2023/05/11 02:54:01.891:LOCATION:dead_reckoner: GPS time gap[-0.109000] negative wrt current time

SYS :2023/05/11 02:54:02.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10151]

CHR :2023/05/11

02:54:02.060:VETMS_CHM_RECORDER:2023/05/11|02:54:02.060|5|GPS|3|1|40:58.4062|N|80:23.1012|W|2|09| 1.1

CHR :2023/05/11

02:54:02.060:VETMS_CHM_RECORDER:2023/05/11|02:54:02.060|5|GPS|3|2|40:58.4041|N|80:23.1013|W|2|09| 1.1

CHR :2023/05/11

02:54:02.060:VETMS_CHM_RECORDER:2023/05/11|02:54:02.060|6|LOC|4|29.19|30|NS|5620|MAIN
1|YG74.7038|9050|10193|NS|5620|MAIN 1|YG77.1287|9053|6783|2|5|41.61
SYS :2023/05/11 02:54:02.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:02.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:02.900:LOCATION:location_validate_best_on_route_sol: last DR time
1683773642.45 GPS time 1683773643.0
SYS :2023/05/11 02:54:02.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:10151]
overwritten with Abs pos[NS:5620,9050:10115] GPS time gap[-0.100000] GPS dist gap[-4.274300]
WARN:2023/05/11 02:54:02.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt
current time
SYS :2023/05/11 02:54:03.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10109]
CHR :2023/05/11
02:54:03.056:VETMS_CHM_RECORDER:2023/05/11|02:54:03.056|6|LOC|4|29.15|30|NS|5620|MAIN
1|YG74.6965|9050|10151|NS|5620|MAIN 1|YG77.1210|9053|6741|2|5|41.61
SYS :2023/05/11 02:54:03.054:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:03.063:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:03.604:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-6016] ignoring updates.
WARN:2023/05/11 02:54:03.604:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:03.604:VETMS_CHM_RECORDER:2023/05/11|02:54:03.604|22|EMF|3|5100|2
WARN:2023/05/11 02:54:03.701:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:03.702:VETMS_CHM_RECORDER:2023/05/11|02:54:03.702|22|EMF|3|5100|2
WARN:2023/05/11 02:54:03.724:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-4] seconds!
CHR :2023/05/11 02:54:03.724:VETMS_CHM_RECORDER:2023/05/11|02:54:03.724|22|EMF|3|5100|2
WARN:2023/05/11 02:54:03.820:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:03.820:VETMS_CHM_RECORDER:2023/05/11|02:54:03.820|22|EMF|3|5100|2
SYS :2023/05/11 02:54:03.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773643.45 GPS time 1683773644.0
SYS :2023/05/11 02:54:03.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:10109]
overwritten with Abs pos[NS:5620,9050:10072] GPS time gap[-0.079000] GPS dist gap[-3.372668]
WARN:2023/05/11 02:54:03.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt
current time
SYS :2023/05/11 02:54:04.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10067]
CHR :2023/05/11
02:54:04.058:VETMS_CHM_RECORDER:2023/05/11|02:54:04.058|6|LOC|4|29.11|30|NS|5620|MAIN
1|YG74.6892|9050|10109|NS|5620|MAIN 1|YG77.1132|9053|6699|2|5|41.61
SYS :2023/05/11 02:54:04.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:04.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:04.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773644.45 GPS time 1683773645.0

```

SYS :2023/05/11 02:54:04.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:10067]
overwritten with Abs pos[NS:5620,9050:10030] GPS time gap[-0.099000] GPS dist gap[-4.224528]
WARN:2023/05/11 02:54:04.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:54:05.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:10024]
CHR :2023/05/11
02:54:05.058:VETMS_CHM_RECORDER:2023/05/11|02:54:05.058|6|LOC|4|29.10|30|NS|5620|MAIN
1|YG74.6819|9050|10067|NS|5620|MAIN 1|YG77.1055|9053|6657|2|5|41.61
SYS :2023/05/11 02:54:05.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:05.064:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:05.889:LOCATION:location_validate_best_on_route_sol: last DR time
1683773645.46 GPS time 1683773646.0
SYS :2023/05/11 02:54:05.889:LOCATION:dead_reckoner: DR position [NS:5620,9050:10024]
overwritten with Abs pos[NS:5620,9050:9988] GPS time gap[-0.111000] GPS dist gap[-4.729821]
WARN:2023/05/11 02:54:05.889:LOCATION:dead_reckoner: GPS time gap[-0.111000] negative wrt
current time
SYS :2023/05/11 02:54:06.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9982]
CHR :2023/05/11
02:54:06.058:VETMS_CHM_RECORDER:2023/05/11|02:54:06.058|6|LOC|4|29.06|30|NS|5620|MAIN
1|YG74.6744|9050|10024|NS|5620|MAIN 1|YG77.0975|9053|6614|2|5|41.61
SYS :2023/05/11 02:54:06.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:06.065:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:54:06.085:VETMS_CHM_RECORDER:2023/05/11|02:54:06.085|16|TGT|4|4526|2642|0|4|NS|5620|9053|14847
|NS|5620|9048|0|EQUIPMENT RESTRICTIO|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|SPEED
RESTRICTION|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|PERMANENT SPEED
REST|40|0|0|NS|5620|9052|385|NS|5620|9
CHR :2023/05/11 02:54:06.085:VETMS_CHM_RECORDER:052|0|PERMANENT SPEED REST|30|0|0
SYS :2023/05/11 02:54:06.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773646.45 GPS time 1683773647.0
SYS :2023/05/11 02:54:06.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:9982] overwritten
with Abs pos[NS:5620,9050:9945] GPS time gap[-0.091000] GPS dist gap[-3.875781]
WARN:2023/05/11 02:54:06.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt
current time
SYS :2023/05/11 02:54:07.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9940]
SYS :2023/05/11 02:54:07.053:SYSTEM_STATE:report: sent to [NS ][ns.b:b1] (periodic)
CHR :2023/05/11
02:54:07.058:VETMS_CHM_RECORDER:2023/05/11|02:54:07.058|5|GPS|3|1|40:58.4331|N|80:23.1304|W|2|09|
1.1
CHR :2023/05/11
02:54:07.058:VETMS_CHM_RECORDER:2023/05/11|02:54:07.058|5|GPS|3|2|40:58.4309|N|80:23.1301|W|2|09|
1.1
SYS :2023/05/11 02:54:07.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
OTX :2023/05/11 02:54:07.058:OTC_TX:Sending Office msg [2010], Seq # [0x1b2], Dest [ns.b:b1]
CHR :2023/05/11
02:54:07.058:VETMS_CHM_RECORDER:2023/05/11|02:54:07.058|6|LOC|4|29.05|30|NS|5620|MAIN
1|YG74.6671|9050|9982|NS|5620|MAIN 1|YG77.0898|9053|6572|2|5|41.61
OTXD:2023/05/11 02:54:07.058:OTC_TX:000 | 04 07 da 03 11 00 00 12 00 00 01 b2 64 5c 58 cf |
.....d\X.

```

```
OTXD:2023/05/11 02:54:07.058:OTC_TX:001 | 1d 00 3b 00 28 6e 73 2e 6c 2e 6e 73 2e 34 33 34 |
...;. (ns.1.ns.434
OTXD:2023/05/11 02:54:07.058:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 62 31 00 4e 53 |
2:itc.ns.b:b1.NS
OTXD:2023/05/11 02:54:07.058:OTC_TX:003 | 20 20 06 07 e7 05 0b 02 36 07 01 05 03 36 32 33 |
.....6....623
OTXD:2023/05/11 02:54:07.058:OTC_TX:004 | df 84 cd 8a | ....
SYS :2023/05/11 02:54:07.065:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:54:07.079:VETMS_CHM_RECORDER:2023/05/11|02:54:07.079|21|EMP|2|2010|1|1|0407da0311000012000001b
2645c58cf1d003b00286e732e6c2e6e732e343334323a697463006e732e623a6231004e5320200607e7050b0236070105
03363233df84cd8a
WARN:2023/05/11 02:54:07.632:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:07.632:VETMS_CHM_RECORDER:2023/05/11|02:54:07.632|22|EMF|3|5100|2
SYS :2023/05/11 02:54:07.642:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-6185] ignoring updates.
WARN:2023/05/11 02:54:07.642:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:54:07.642:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:07.642:VETMS_CHM_RECORDER:2023/05/11|02:54:07.642|22|EMF|3|5100|2
CHR :2023/05/11 02:54:07.642:VETMS_CHM_RECORDER:2023/05/11|02:54:07.642|22|EMF|3|5100|2
WARN:2023/05/11 02:54:07.747:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:07.748:VETMS_CHM_RECORDER:2023/05/11|02:54:07.748|22|EMF|3|5100|2
WARN:2023/05/11 02:54:07.754:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:54:07.754:VETMS_CHM_RECORDER:2023/05/11|02:54:07.754|22|EMF|3|5100|2
SYS :2023/05/11 02:54:07.884:LOCATION:location_validate_best_on_route_sol: last DR time
1683773647.45 GPS time 1683773648.0
SYS :2023/05/11 02:54:07.884:LOCATION:dead_reckoner: DR position [NS:5620,9050:9940] overwritten
with Abs pos[NS:5620,9050:9903] GPS time gap[-0.116000] GPS dist gap[-4.933480]
WARN:2023/05/11 02:54:07.884:LOCATION:dead_reckoner: GPS time gap[-0.116000] negative wrt
current time
SYS :2023/05/11 02:54:08.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9896]
CHR :2023/05/11
02:54:08.063:VETMS_CHM_RECORDER:2023/05/11|02:54:08.063|6|LOC|4|29.00|30|NS|5620|MAIN
1|YG74.6598|9050|9940|NS|5620|MAIN 1|YG77.0820|9053|6530|2|5|41.61
SYS :2023/05/11 02:54:08.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:08.074:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:08.891:LOCATION:location_validate_best_on_route_sol: last DR time
1683773648.51 GPS time 1683773649.0
SYS :2023/05/11 02:54:08.891:LOCATION:dead_reckoner: DR position [NS:5620,9050:9896] overwritten
with Abs pos[NS:5620,9050:9861] GPS time gap[-0.109000] GPS dist gap[-4.633590]
WARN:2023/05/11 02:54:08.891:LOCATION:dead_reckoner: GPS time gap[-0.109000] negative wrt
```

```

current time
SYS :2023/05/11 02:54:09.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9855]
CHR :2023/05/11
02:54:09.057:VETMS_CHM_RECORDER:2023/05/11|02:54:09.057|6|LOC|4|28.99|30|NS|5620|MAIN
1|YG74.6521|9050|9896|NS|5620|MAIN 1|YG77.0739|9053|6486|2|5|41.61
SYS :2023/05/11 02:54:09.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:09.064:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ORX :2023/05/11 02:54:09.452:OTC_RX:Received msg [1010] from Office, Seq # [0x1aa], Src [ns.b:b1]
ORXD:2023/05/11 02:54:09.452:OTC_RX:000 | 04 03 f2 02 11 00 00 05 00 00 01 aa 64 5c 58 d2 |
.....d\X.
ORXD:2023/05/11 02:54:09.452:OTC_RX:001 | 1d 00 3b 00 28 6e 73 2e 62 3a 62 31 00 6e 73 2e |
..;. (ns.b:b1.ns.
ORXD:2023/05/11 02:54:09.452:OTC_RX:002 | 6c 2e 6e 73 2e 34 33 34 32 3a 69 74 63 00 4e 53 |
l.ns.4342:itc.NS
ORXD:2023/05/11 02:54:09.452:OTC_RX:003 | 20 20 02 25 52 0d 2a
.%R.*
CHR :2023/05/11
02:54:09.452:VETMS_CHM_RECORDER:2023/05/11|02:54:09.452|21|EMP|2|1010|1|1|0403f20211000005000001a
a645c58d21d003b00286e732e623a6231006e732e6c2e6e732e343334323a697463004e5320200225520d2a
SYS :2023/05/11 02:54:09.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773649.46 GPS time 1683773650.0
SYS :2023/05/11 02:54:09.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:9855] overwritten
with Abs pos[NS:5620,9050:9819] GPS time gap[-0.090000] GPS dist gap[-3.821400]
WARN:2023/05/11 02:54:09.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time
SYS :2023/05/11 02:54:10.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9814]
CHR :2023/05/11
02:54:10.059:VETMS_CHM_RECORDER:2023/05/11|02:54:10.059|6|LOC|4|28.96|30|NS|5620|MAIN
1|YG74.6450|9050|9855|NS|5620|MAIN 1|YG77.0663|9053|6445|2|5|41.61
SYS :2023/05/11 02:54:10.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:10.066:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:10.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773650.46 GPS time 1683773651.0
SYS :2023/05/11 02:54:10.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:9814] overwritten
with Abs pos[NS:5620,9050:9777] GPS time gap[-0.099000] GPS dist gap[-4.200471]
WARN:2023/05/11 02:54:10.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:54:11.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9771]
SYS :2023/05/11 02:54:11.058:TRACK_WARRANT:tw_log_current_auth_blocks: No Authority Block data
CHR :2023/05/11
02:54:11.059:VETMS_CHM_RECORDER:2023/05/11|02:54:11.059|6|LOC|4|28.94|30|NS|5620|MAIN
1|YG74.6379|9050|9814|NS|5620|MAIN 1|YG77.0587|9053|6404|2|5|41.61
SYS :2023/05/11 02:54:11.058:TRACK_WARRANT:tw_log_auth_limits: No Authority Fwd limits data
SYS :2023/05/11 02:54:11.058:TRACK_WARRANT:tw_log_auth_limits: No Authority Rev limits data
SYS :2023/05/11 02:54:11.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:11.066:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:11.756:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is

```

[0] seconds!
SYS :2023/05/11 02:54:11.756:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-6353] ignoring updates.
WARN:2023/05/11 02:54:11.756:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:54:11.756:VETMS_CHM_RECORDER:2023/05/11|02:54:11.756|22|EMF|3|5100|2
CHR :2023/05/11 02:54:11.756:VETMS_CHM_RECORDER:2023/05/11|02:54:11.756|22|EMF|3|5100|2
WARN:2023/05/11 02:54:11.807:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:54:11.807:VETMS_CHM_RECORDER:2023/05/11|02:54:11.807|22|EMF|3|5100|2
WARN:2023/05/11 02:54:11.831:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:54:11.831:VETMS_CHM_RECORDER:2023/05/11|02:54:11.831|22|EMF|3|5100|2
SYS :2023/05/11 02:54:11.881:LOCATION:location_validate_best_on_route_sol: last DR time 1683773651.46 GPS time 1683773652.0
SYS :2023/05/11 02:54:11.881:LOCATION:dead_reckoner: DR position [NS:5620,9050:9771] overwritten with Abs pos[NS:5620,9050:9735] GPS time gap[-0.119000] GPS dist gap[-5.045481]
WARN:2023/05/11 02:54:11.881:LOCATION:dead_reckoner: GPS time gap[-0.119000] negative wrt current time
SYS :2023/05/11 02:54:12.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9729]
CHR :2023/05/11
02:54:12.058:VETMS_CHM_RECORDER:2023/05/11|02:54:12.058|5|GPS|3|1|40:58.4598|N|80:23.1595|W|2|09|1.1
CHR :2023/05/11
02:54:12.058:VETMS_CHM_RECORDER:2023/05/11|02:54:12.058|5|GPS|3|2|40:58.4582|N|80:23.1597|W|2|09|1.1
CHR :2023/05/11
02:54:12.058:VETMS_CHM_RECORDER:2023/05/11|02:54:12.058|6|LOC|4|28.91|30|NS|5620|MAIN 1|YG74.6304|9050|9771|NS|5620|MAIN 1|YG77.0508|9053|6361|2|5|41.61
SYS :2023/05/11 02:54:12.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:12.083:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:12.895:LOCATION:location_validate_best_on_route_sol: last DR time 1683773652.46 GPS time 1683773653.0
SYS :2023/05/11 02:54:12.895:LOCATION:dead_reckoner: DR position [NS:5620,9050:9729] overwritten with Abs pos[NS:5620,9050:9693] GPS time gap[-0.105000] GPS dist gap[-4.447590]
WARN:2023/05/11 02:54:12.895:LOCATION:dead_reckoner: GPS time gap[-0.105000] negative wrt current time
SYS :2023/05/11 02:54:13.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9687]
CHR :2023/05/11
02:54:13.061:VETMS_CHM_RECORDER:2023/05/11|02:54:13.061|6|LOC|4|28.89|30|NS|5620|MAIN 1|YG74.6231|9050|9729|NS|5620|MAIN 1|YG77.0430|9053|6319|2|5|41.61
SYS :2023/05/11 02:54:13.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:13.085:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:13.898:LOCATION:location_validate_best_on_route_sol: last DR time 1683773653.46 GPS time 1683773654.0
SYS :2023/05/11 02:54:13.898:LOCATION:dead_reckoner: DR position [NS:5620,9050:9687] overwritten with Abs pos[NS:5620,9050:9651] GPS time gap[-0.102000] GPS dist gap[-4.319496]

WARN:2023/05/11 02:54:13.898:LOCATION:dead_reckoner: GPS time gap[-0.102000] negative wrt current time

SYS :2023/05/11 02:54:14.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9645]

CHR :2023/05/11

02:54:14.058:VETMS_CHM_RECORDER:2023/05/11|02:54:14.058|6|LOC|4|28.88|30|NS|5620|MAIN 1|YG74.6158|9050|9687|NS|5620|MAIN 1|YG77.0353|9053|6277|2|5|41.61

SYS :2023/05/11 02:54:14.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:14.065:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:14.914:LOCATION:location_validate_best_on_route_sol: last DR time 1683773654.46 GPS time 1683773655.0

SYS :2023/05/11 02:54:14.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:9645] overwritten with Abs pos[NS:5620,9050:9609] GPS time gap[-0.086000] GPS dist gap[-3.640208]

WARN:2023/05/11 02:54:14.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt current time

SYS :2023/05/11 02:54:15.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9604]

CHR :2023/05/11

02:54:15.058:VETMS_CHM_RECORDER:2023/05/11|02:54:15.058|6|LOC|4|28.87|30|NS|5620|MAIN 1|YG74.6085|9050|9645|NS|5620|MAIN 1|YG77.0275|9053|6235|2|5|41.61

SYS :2023/05/11 02:54:15.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:15.065:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:54:15.448:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:54:15.448:VETMS_CHM_RECORDER:2023/05/11|02:54:15.448|22|EMF|3|5100|2

WARN:2023/05/11 02:54:15.659:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

WARN:2023/05/11 02:54:15.659:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:54:15.659:VETMS_CHM_RECORDER:2023/05/11|02:54:15.659|22|EMF|3|5100|2

CHR :2023/05/11 02:54:15.659:VETMS_CHM_RECORDER:2023/05/11|02:54:15.659|22|EMF|3|5100|2

SYS :2023/05/11 02:54:15.779:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-6522] ignoring updates.

WARN:2023/05/11 02:54:15.779:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:54:15.779:VETMS_CHM_RECORDER:2023/05/11|02:54:15.779|22|EMF|3|5100|2

SYS :2023/05/11 02:54:15.903:LOCATION:location_validate_best_on_route_sol: last DR time 1683773655.46 GPS time 1683773656.0

SYS :2023/05/11 02:54:15.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:9604] overwritten with Abs pos[NS:5620,9050:9567] GPS time gap[-0.097000] GPS dist gap[-4.104846]

WARN:2023/05/11 02:54:15.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt current time

SYS :2023/05/11 02:54:16.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9561]

CHR :2023/05/11

02:54:16.060:VETMS_CHM_RECORDER:2023/05/11|02:54:16.060|6|LOC|4|28.86|30|NS|5620|MAIN 1|YG74.6013|9050|9604|NS|5620|MAIN 1|YG77.0199|9053|6194|2|5|41.61

SYS :2023/05/11 02:54:16.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:16.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:16.909:LOCATION:location_validate_best_on_route_sol: last DR time 1683773656.46 GPS time 1683773657.0

SYS :2023/05/11 02:54:16.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:9561] overwritten with Abs pos[NS:5620,9050:9526] GPS time gap[-0.091000] GPS dist gap[-3.843567]

WARN:2023/05/11 02:54:16.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt current time

SYS :2023/05/11 02:54:17.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9521]

CHR :2023/05/11

02:54:17.057:VETMS_CHM_RECORDER:2023/05/11|02:54:17.057|5|GPS|3|1|40:58.4865|N|80:23.1883|W|2|09|1.1

CHR :2023/05/11

02:54:17.057:VETMS_CHM_RECORDER:2023/05/11|02:54:17.057|5|GPS|3|2|40:58.4850|N|80:23.1895|W|2|09|1.1

CHR :2023/05/11

02:54:17.057:VETMS_CHM_RECORDER:2023/05/11|02:54:17.057|6|LOC|4|28.80|30|NS|5620|MAIN 1|YG74.5938|9050|9561|NS|5620|MAIN 1|YG77.0120|9053|6151|2|5|41.61

SYS :2023/05/11 02:54:17.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:17.065:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:17.899:LOCATION:location_validate_best_on_route_sol: last DR time 1683773657.46 GPS time 1683773658.0

SYS :2023/05/11 02:54:17.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:9521] overwritten with Abs pos[NS:5620,9050:9484] GPS time gap[-0.101000] GPS dist gap[-4.260887]

WARN:2023/05/11 02:54:17.899:LOCATION:dead_reckoner: GPS time gap[-0.101000] negative wrt current time

SYS :2023/05/11 02:54:18.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9478]

CHR :2023/05/11

02:54:18.064:VETMS_CHM_RECORDER:2023/05/11|02:54:18.064|6|LOC|4|28.77|30|NS|5620|MAIN 1|YG74.5869|9050|9521|NS|5620|MAIN 1|YG77.0046|9053|6111|2|5|41.61

SYS :2023/05/11 02:54:18.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:18.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:18.933:LOCATION:location_validate_best_on_route_sol: last DR time 1683773658.51 GPS time 1683773659.0

SYS :2023/05/11 02:54:18.934:LOCATION:dead_reckoner: DR position [NS:5620,9050:9478] overwritten with Abs pos[NS:5620,9050:9442] GPS time gap[-0.066000] GPS dist gap[-2.784342]

WARN:2023/05/11 02:54:18.934:LOCATION:dead_reckoner: GPS time gap[-0.066000] negative wrt current time

SYS :2023/05/11 02:54:19.043:CPU2-Logger:FD max=11 cur=11

SYS :2023/05/11 02:54:19.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9438]

SYS :2023/05/11 02:54:19.055:DIAG_SERVER:FD max=8 cur=8

SYS :2023/05/11 02:54:19.055:DataManager:FD max=8 cur=8

SYS :2023/05/11 02:54:19.055:EVENT_REPLICATOR:FD max=8 cur=8

SYS :2023/05/11 02:54:19.056:CDU_BRIDGE:FD max=9 cur=9

SYS :2023/05/11 02:54:19.056:OTC_TX:FD max=6 cur=6

SYS :2023/05/11 02:54:19.057:OTC_RX:FD max=6 cur=6

SYS :2023/05/11 02:54:19.056:TRAIN_DATA_MGR:FD max=6 cur=6

SYS :2023/05/11 02:54:19.057:FAULT_MGR:FD max=7 cur=7

SYS :2023/05/11 02:54:19.056:SYSTEM_STATE:FD max=6 cur=6

SYS :2023/05/11 02:54:19.057:TEST_MGR:FD max=7 cur=7

CHR :2023/05/11
02:54:19.062:VETMS_CHM_RECORDER:2023/05/11|02:54:19.062|6|LOC|4|28.77|30|NS|5620|MAIN
1|YG74.5794|9050|9478|NS|5620|MAIN 1|YG76.9964|9053|6068|2|5|41.61
SYS :2023/05/11 02:54:19.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:19.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:19.443:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:19.444:VETMS_CHM_RECORDER:2023/05/11|02:54:19.443|22|EMF|3|5100|2
WARN:2023/05/11 02:54:19.680:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
SYS :2023/05/11 02:54:19.680:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-6689] ignoring updates.
WARN:2023/05/11 02:54:19.680:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:19.680:VETMS_CHM_RECORDER:2023/05/11|02:54:19.680|22|EMF|3|5100|2
CHR :2023/05/11 02:54:19.680:VETMS_CHM_RECORDER:2023/05/11|02:54:19.680|22|EMF|3|5100|2
WARN:2023/05/11 02:54:19.732:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:54:19.732:VETMS_CHM_RECORDER:2023/05/11|02:54:19.732|22|EMF|3|5100|2
WARN:2023/05/11 02:54:19.782:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:19.782:VETMS_CHM_RECORDER:2023/05/11|02:54:19.782|22|EMF|3|5100|2
SYS :2023/05/11 02:54:19.900:LOCATION:location_validate_best_on_route_sol: last DR time
1683773659.47 GPS time 1683773660.0
SYS :2023/05/11 02:54:19.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:9438] overwritten
with Abs pos[NS:5620,9050:9400] GPS time gap[-0.100000] GPS dist gap[-4.216600]
WARN:2023/05/11 02:54:19.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt
current time
SYS :2023/05/11 02:54:20.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9394]
SYS :2023/05/11 02:54:20.055:BRAKE_INTERFACE:FD max=7 cur=7
SYS :2023/05/11 02:54:20.055:LOCOID:FD max=6 cur=6
SYS :2023/05/11 02:54:20.055:COMPARATOR:FD max=7 cur=7
CHR :2023/05/11
02:54:20.060:VETMS_CHM_RECORDER:2023/05/11|02:54:20.060|6|LOC|4|28.76|30|NS|5620|MAIN
1|YG74.5724|9050|9438|NS|5620|MAIN 1|YG76.9884|9053|6028|2|5|41.61
SYS :2023/05/11 02:54:20.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:20.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:20.877:LOCATION:location_validate_best_on_route_sol: last DR time
1683773660.46 GPS time 1683773661.0
SYS :2023/05/11 02:54:20.877:LOCATION:dead_reckoner: DR position [NS:5620,9050:9394] overwritten
with Abs pos[NS:5620,9050:9359] GPS time gap[-0.123000] GPS dist gap[-5.182728]
WARN:2023/05/11 02:54:20.877:LOCATION:dead_reckoner: GPS time gap[-0.123000] negative wrt
current time
SYS :2023/05/11 02:54:21.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9352]
CHR :2023/05/11

```

02:54:21.059:VETMS_CHM_RECORDER:2023/05/11|02:54:21.059|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.5648|9050|9394|NS|5620|MAIN 1|YG76.9796|9053|5984|2|5|41.61
SYS :2023/05/11 02:54:21.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:21.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:21.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773661.46 GPS time 1683773662.0
SYS :2023/05/11 02:54:21.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:9352] overwritten
with Abs pos[NS:5620,9050:9317] GPS time gap[-0.096000] GPS dist gap[-4.044096]
WARN:2023/05/11 02:54:21.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time
SYS :2023/05/11 02:54:22.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9312]
CHR :2023/05/11
02:54:22.059:VETMS_CHM_RECORDER:2023/05/11|02:54:22.059|5|GPS|3|1|40:58.5129|N|80:23.2174|W|2|08|
1.1
CHR :2023/05/11
02:54:22.059:VETMS_CHM_RECORDER:2023/05/11|02:54:22.059|5|GPS|3|2|40:58.5120|N|80:23.2178|W|2|09|
1.1
CHR :2023/05/11
02:54:22.059:VETMS_CHM_RECORDER:2023/05/11|02:54:22.059|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.5575|9050|9352|NS|5620|MAIN 1|YG76.9712|9053|5942|2|5|41.61
SYS :2023/05/11 02:54:22.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:22.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ORX :2023/05/11 02:54:22.746:OTC_RX:Received msg [1021] from Office, Seq # [0x33c4d], Src
[ns.b:g.05620]
ORXD:2023/05/11 02:54:22.746:OTC_RX:000 | 04 03 fd 04 11 00 00 4e 00 03 3c 4d 64 5c 58 df |
.....N..<Md\X.
ORXD:2023/05/11 02:54:22.746:OTC_RX:001 | 22 00 3b 00 30 6e 73 2e 62 3a 67 2e 30 35 36 32 |
".;.0ns.b:g.0562
ORXD:2023/05/11 02:54:22.746:OTC_RX:002 | 30 00 6e 73 2e 6c 2e 6e 73 2e 34 33 34 32 3a 69 |
0.ns.l.ns.4342:i
ORXD:2023/05/11 02:54:22.746:OTC_RX:003 | 74 63 00 4e 53 20 20 dd d0 49 3a 1f fb f9 12 05 |
tc.NS ..I:.....
ORXD:2023/05/11 02:54:22.746:OTC_RX:004 | 15 f4 01 9a f4 05 f1 00 00 00 00 00 00 15 2c 01 |
.....,
ORXD:2023/05/11 02:54:22.746:OTC_RX:005 | 9c 14 fb b6 00 00 00 00 00 00 26 b0 04 c7 f0 f4 |
.....&.....
ORXD:2023/05/11 02:54:22.746:OTC_RX:006 | 5f 00 00 00 00 00 00 15 4a 01 9d 95 e9 03 00 00 |
_.....J.....
ORXD:2023/05/11 02:54:22.746:OTC_RX:007 | 00 00 00 00 13 b0 01 77 6f 59 d0 00 00 00 00 00 |
.....woY.....
ORXD:2023/05/11 02:54:22.746:OTC_RX:008 | 00 61 8f 1b 45 | .a..E
CHR :2023/05/11
02:54:22.746:VETMS_CHM_RECORDER:2023/05/11|02:54:22.746|21|EMP|2|1021|1|1|0403fd041100004e00033c4
d645c58df22003b00306e732e623a672e3035363230006e732e6c2e6e732e343334323a697463004e532020ddd0493a1f
fbf9120515f4019af405f1000000000000152c019c14fbb600000000000026b004c7f0f45f000000000000154a019d
SYS :2023/05/11 02:54:22.746:DATASET_MGR:msgcb_preprocess_message: Received message 1021
[item:248] [1683773662.746]
CHR :2023/05/11
02:54:22.746:VETMS_CHM_RECORDER:95e9030000000000000013b001776f59d00000000000000618f1b45
SYS :2023/05/11 02:54:22.771:DATASET_MGR:dsmcb_dataset_process_timer: Processing message 1021

```

```
[item:248] [1683773662.771]
SYS :2023/05/11 02:54:22.771:DATASET_MGR:msgcb_office_poll: 'NS ':5620 CRC -> ONBOARD:
A:[9AF405F1] C:[00000000], OFFICE: A:[9AF405F1] C:[00000000]
SYS :2023/05/11 02:54:22.771:DATASET_MGR:msgcb_office_poll: 'NS ':5420 CRC -> ONBOARD:
A:[9C14FBB6] C:[00000000], OFFICE: A:[9C14FBB6] C:[00000000]
SYS :2023/05/11 02:54:22.771:DATASET_MGR:msgcb_office_poll: 'NS ':9904 CRC -> ONBOARD:
A:[C7F0F45F] C:[00000000], OFFICE: A:[C7F0F45F] C:[00000000]
SYS :2023/05/11 02:54:22.771:DATASET_MGR:msgcb_office_poll: 'NS ':5450 CRC -> ONBOARD:
A:[9D95E903] C:[00000000], OFFICE: A:[9D95E903] C:[00000000]
SYS :2023/05/11 02:54:22.771:DATASET_MGR:msgcb_office_poll: 'NS ':5040 CRC -> ONBOARD:
A:[776F59D0] C:[00000000], OFFICE: A:[776F59D0] C:[00000000]
SYS :2023/05/11 02:54:22.884:LOCATION:location_validate_best_on_route_sol: last DR time
1683773662.46 GPS time 1683773663.0
SYS :2023/05/11 02:54:22.884:LOCATION:dead_reckoner: DR position [NS:5620,9050:9312] overwritten
with Abs pos[NS:5620,9050:9275] GPS time gap[-0.116000] GPS dist gap[-4.884296]
WARN:2023/05/11 02:54:22.884:LOCATION:dead_reckoner: GPS time gap[-0.116000] negative wrt
current time
SYS :2023/05/11 02:54:23.045:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9269]
CHR :2023/05/11
02:54:23.057:VETMS_CHM_RECORDER:2023/05/11|02:54:23.057|6|LOC|4|28.71|30|NS|5620|MAIN
1|YG74.5505|9050|9312|NS|5620|MAIN 1|YG76.9633|9053|5902|2|5|41.61
SYS :2023/05/11 02:54:23.055:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:23.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:23.775:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:54:23.775:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-6855] ignoring updates.
WARN:2023/05/11 02:54:23.775:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:23.775:VETMS_CHM_RECORDER:2023/05/11|02:54:23.775|22|EMF|3|5100|2
CHR :2023/05/11 02:54:23.775:VETMS_CHM_RECORDER:2023/05/11|02:54:23.775|22|EMF|3|5100|2
WARN:2023/05/11 02:54:23.798:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
WARN:2023/05/11 02:54:23.798:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-5] seconds!
CHR :2023/05/11 02:54:23.798:VETMS_CHM_RECORDER:2023/05/11|02:54:23.798|22|EMF|3|5100|2
CHR :2023/05/11 02:54:23.799:VETMS_CHM_RECORDER:2023/05/11|02:54:23.799|22|EMF|3|5100|2
SYS :2023/05/11 02:54:23.907:LOCATION:location_validate_best_on_route_sol: last DR time
1683773663.45 GPS time 1683773664.0
SYS :2023/05/11 02:54:23.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:9269] overwritten
with Abs pos[NS:5620,9050:9234] GPS time gap[-0.093000] GPS dist gap[-3.913998]
WARN:2023/05/11 02:54:23.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt
current time
WARN:2023/05/11 02:54:23.934:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:23.934:VETMS_CHM_RECORDER:2023/05/11|02:54:23.934|22|EMF|3|5100|2
SYS :2023/05/11 02:54:24.042:DIO_MONITOR:FD max=7 cur=7
```

```
SYS :2023/05/11 02:54:24.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9229]
SYS :2023/05/11 02:54:24.054:IOC_CAB_SIGNAL_MONITOR:FD max=7 cur=7
SYS :2023/05/11 02:54:24.054:CLASS_D:FD max=6 cur=6
SYS :2023/05/11 02:54:24.055:IOC_EAB_ILC_MONITOR:FD max=6 cur=6
SYS :2023/05/11 02:54:24.055:GPS:FD max=11 cur=11
SYS :2023/05/11 02:54:24.055:LIG_INTERFACE:FD max=7 cur=7
SYS :2023/05/11 02:54:24.055:VETMS_CHM_RECORDER:FD max=6 cur=6
CHR :2023/05/11
02:54:24.062:VETMS_CHM_RECORDER:2023/05/11|02:54:24.062|6|LOC|4|28.70|30|NS|5620|MAIN
1|YG74.5430|9050|9269|NS|5620|MAIN 1|YG76.9547|9053|5859|2|5|41.61
SYS :2023/05/11 02:54:24.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:24.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:24.898:LOCATION:location_validate_best_on_route_sol: last DR time
1683773664.46 GPS time 1683773665.0
SYS :2023/05/11 02:54:24.898:LOCATION:dead_reckoner: DR position [NS:5620,9050:9229] overwritten
with Abs pos[NS:5620,9050:9192] GPS time gap[-0.102000] GPS dist gap[-4.291650]
WARN:2023/05/11 02:54:24.898:LOCATION:dead_reckoner: GPS time gap[-0.102000] negative wrt
current time
SYS :2023/05/11 02:54:25.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9186]
CHR :2023/05/11
02:54:25.059:VETMS_CHM_RECORDER:2023/05/11|02:54:25.059|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.5361|9050|9229|NS|5620|MAIN 1|YG76.9467|9053|5819|2|5|41.61
SYS :2023/05/11 02:54:25.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:25.065:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ERR :2023/05/11 02:54:25.710:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:54:25.889:LOCATION:location_validate_best_on_route_sol: last DR time
1683773665.46 GPS time 1683773666.0
SYS :2023/05/11 02:54:25.889:LOCATION:dead_reckoner: DR position [NS:5620,9050:9186] overwritten
with Abs pos[NS:5620,9050:9150] GPS time gap[-0.111000] GPS dist gap[-4.666995]
WARN:2023/05/11 02:54:25.889:LOCATION:dead_reckoner: GPS time gap[-0.111000] negative wrt
current time
SYS :2023/05/11 02:54:26.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9144]
CHR :2023/05/11
02:54:26.060:VETMS_CHM_RECORDER:2023/05/11|02:54:26.060|6|LOC|4|28.67|30|NS|5620|MAIN
1|YG74.5286|9050|9186|NS|5620|MAIN 1|YG76.9381|9053|5776|2|5|41.61
SYS :2023/05/11 02:54:26.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:26.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:26.883:LOCATION:location_validate_best_on_route_sol: last DR time
1683773666.46 GPS time 1683773667.0
SYS :2023/05/11 02:54:26.883:LOCATION:dead_reckoner: DR position [NS:5620,9050:9144] overwritten
with Abs pos[NS:5620,9050:9108] GPS time gap[-0.117000] GPS dist gap[-4.920435]
WARN:2023/05/11 02:54:26.883:LOCATION:dead_reckoner: GPS time gap[-0.117000] negative wrt
current time
SYS :2023/05/11 02:54:27.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9102]
CHR :2023/05/11
02:54:27.058:VETMS_CHM_RECORDER:2023/05/11|02:54:27.058|5|GPS|3|1|40:58.5395|N|80:23.2460|W|2|09|
1.1
CHR :2023/05/11
```

02:54:27.058:VETMS_CHM_RECORDER:2023/05/11|02:54:27.058|5|GPS|3|2|40:58.5390|N|80:23.2460|W|2|08|1.1
CHR :2023/05/11
02:54:27.058:VETMS_CHM_RECORDER:2023/05/11|02:54:27.058|6|LOC|4|28.68|30|NS|5620|MAIN
1|YG74.5213|9050|9144|NS|5620|MAIN 1|YG76.9297|9053|5734|2|5|41.61
SYS :2023/05/11 02:54:27.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:27.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:27.733:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-7023] ignoring updates.
WARN:2023/05/11 02:54:27.733:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:27.734:VETMS_CHM_RECORDER:2023/05/11|02:54:27.734|22|EMF|3|5100|2
WARN:2023/05/11 02:54:27.817:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:27.817:VETMS_CHM_RECORDER:2023/05/11|02:54:27.817|22|EMF|3|5100|2
WARN:2023/05/11 02:54:27.842:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-4] seconds!
WARN:2023/05/11 02:54:27.842:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:27.842:VETMS_CHM_RECORDER:2023/05/11|02:54:27.842|22|EMF|3|5100|2
CHR :2023/05/11 02:54:27.842:VETMS_CHM_RECORDER:2023/05/11|02:54:27.842|22|EMF|3|5100|2
SYS :2023/05/11 02:54:27.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773667.46 GPS time 1683773668.0
SYS :2023/05/11 02:54:27.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:9102] overwritten
with Abs pos[NS:5620,9050:9067] GPS time gap[-0.099000] GPS dist gap[-4.161465]
WARN:2023/05/11 02:54:27.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
WARN:2023/05/11 02:54:27.957:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:27.957:VETMS_CHM_RECORDER:2023/05/11|02:54:27.957|22|EMF|3|5100|2
SYS :2023/05/11 02:54:28.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9061]
CHR :2023/05/11
02:54:28.065:VETMS_CHM_RECORDER:2023/05/11|02:54:28.065|6|LOC|4|28.67|30|NS|5620|MAIN
1|YG74.5139|9050|9102|NS|5620|MAIN 1|YG76.9213|9053|5692|2|5|41.61
SYS :2023/05/11 02:54:28.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:28.088:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:28.902:LOCATION:location_validate_best_on_route_sol: last DR time
1683773668.51 GPS time 1683773669.0
SYS :2023/05/11 02:54:28.902:LOCATION:dead_reckoner: DR position [NS:5620,9050:9061] overwritten
with Abs pos[NS:5620,9050:9025] GPS time gap[-0.098000] GPS dist gap[-4.121390]
WARN:2023/05/11 02:54:28.902:LOCATION:dead_reckoner: GPS time gap[-0.098000] negative wrt
current time
SYS :2023/05/11 02:54:29.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:9019]
SYS :2023/05/11 02:54:29.053:OFFBOARD_POS_RPTR:FD max=6 cur=6
SYS :2023/05/11 02:54:29.053:SW_UPDATE:FD max=7 cur=7

SYS :2023/05/11 02:54:29.053:SYSTEM_CONFIGURATION:FD max=6 cur=6
SYS :2023/05/11 02:54:29.053:TERRITORY_EXIT:FD max=6 cur=6
SYS :2023/05/11 02:54:29.056:TRAIN_HANDLING_EXCEP:FD max=6 cur=6
SYS :2023/05/11 02:54:29.052:MDM_CLIENT_SLAVE:FD max=8 cur=7
SYS :2023/05/11 02:54:29.053:TMC_LRU_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:29.054:TRACK_MAP:FD max=9 cur=9
SYS :2023/05/11 02:54:29.046:DATASET_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:29.055:MENU_MGR[D0403002]:FD max=9 cur=9
SYS :2023/05/11 02:54:29.056:MENU_MGR[D0403001]:FD max=9 cur=9
CHR :2023/05/11
02:54:29.062:VETMS_CHM_RECORDER:2023/05/11|02:54:29.062|6|LOC|4|28.68|30|NS|5620|MAIN
1|YG74.5068|9050|9061|NS|5620|MAIN 1|YG76.9131|9053|5651|2|5|41.61
SYS :2023/05/11 02:54:29.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:29.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:29.905:LOCATION:location_validate_best_on_route_sol: last DR time
1683773669.47 GPS time 1683773670.0
SYS :2023/05/11 02:54:29.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:9019] overwritten
with Abs pos[NS:5620,9050:8983] GPS time gap[-0.095000] GPS dist gap[-3.994275]
WARN:2023/05/11 02:54:29.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt
current time
SYS :2023/05/11 02:54:30.047:CRITICAL_ALERT:FD max=6 cur=6
SYS :2023/05/11 02:54:30.048:EQUIPMENT_SPEED:FD max=6 cur=6
SYS :2023/05/11 02:54:30.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8977]
SYS :2023/05/11 02:54:30.049:REF_NAV:FD max=6 cur=6
SYS :2023/05/11 02:54:30.053:TRACK_CIRCUIT:FD max=6 cur=6
SYS :2023/05/11 02:54:30.055:WHEEL_CALIBRATION:FD max=10 cur=10
SYS :2023/05/11 02:54:30.055:YARD_LIMITS:FD max=6 cur=6
SYS :2023/05/11 02:54:30.056:DATASET_CREW_INTERFACE:FD max=9 cur=9
SYS :2023/05/11 02:54:30.056:EVENT_MGR:FD max=9 cur=7
SYS :2023/05/11 02:54:30.058:HORN_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.046:BRAKING AND PREDICTION:FD max=6 cur=6
SYS :2023/05/11 02:54:30.048:GRADE_CROSSING:FD max=6 cur=6
SYS :2023/05/11 02:54:30.049:LICENSE_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.049:ROUTE_MGR:FD max=9 cur=9
SYS :2023/05/11 02:54:30.053:SIGNAL_AUTHORITY:FD max=6 cur=6
SYS :2023/05/11 02:54:30.053:SYNC_TARGET_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.053:TEMPORARY_SPEED:FD max=6 cur=6
SYS :2023/05/11 02:54:30.054:TRACK_OO_SERVICE:FD max=6 cur=6
SYS :2023/05/11 02:54:30.054:TRACK_WARRANT:FD max=6 cur=6
SYS :2023/05/11 02:54:30.054:TRACK_SPEED:FD max=6 cur=6
SYS :2023/05/11 02:54:30.054:TRACK_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.055:WORK_ZONE:FD max=6 cur=6
SYS :2023/05/11 02:54:30.055:CREW_LOGON:FD max=9 cur=9
SYS :2023/05/11 02:54:30.055:COLLISION_AVOIDANCE:FD max=6 cur=6
SYS :2023/05/11 02:54:30.046:ACA_MANAGER:FD max=9 cur=9
SYS :2023/05/11 02:54:30.047:CAB_SIGNAL:FD max=6 cur=6
SYS :2023/05/11 02:54:30.047:DEPART_TEST:FD max=10 cur=10
SYS :2023/05/11 02:54:30.047:ENFORCEMENT:FD max=9 cur=9
SYS :2023/05/11 02:54:30.054:WAYSIDE_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.048:BRAKE_TEST_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.048:LOCATION:FD max=9 cur=9
SYS :2023/05/11 02:54:30.057:EMS:FD max=10 cur=10

```
SYS :2023/05/11 02:54:30.053:SWITCH_MGR:FD max=6 cur=6
SYS :2023/05/11 02:54:30.058:INIT_MGR:FD max=9 cur=9
SYS :2023/05/11 02:54:30.057:DSP_MGR:FD max=9 cur=9
CHR :2023/05/11
02:54:30.066:VETMS_CHM_RECORDER:2023/05/11|02:54:30.066|6|LOC|4|28.67|30|NS|5620|MAIN
1|YG74.4995|9050|9019|NS|5620|MAIN 1|YG76.9047|9053|5609|2|5|41.61
SYS :2023/05/11 02:54:30.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:30.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:30.088:ENFORCEMENT:,SPD,28.7,mph,LL:MP,74.4892, NS, 5620, 9050,
8960,TL,MP,76.8997, NS, 5620, 9053,
5584,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM
State,0,TN,005,TE,00262,DBON,0,DBE,00293,PCS,0,STS,00,GRD,
0.01%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0102436,LRF,-0001608,L
BF,+0000000,CRF,-0047214,CBF,+0000000,GF,-0008160,CF,-0007384,
SYS :2023/05/11
02:54:30.088:ENFORCEMENT:,PA,0.01990,*,AA,-0.00690,TTE,***,DTE,***,TD,***,ECL,01421,ECT,48,EMS,28
.7,BCL,02598,BCT,76,BMS,28.7,PCL,01876,PCT,46,WCL,02680,WCT,77,WMS,29.5,SFO,0310,
SYS :2023/05/11 02:54:30.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773670.48 GPS time 1683773671.0
SYS :2023/05/11 02:54:30.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:8977] overwritten
with Abs pos[NS:5620,9050:8942] GPS time gap[-0.097000] GPS dist gap[-4.080305]
WARN:2023/05/11 02:54:30.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
SYS :2023/05/11 02:54:31.046:CONSIST:FD max=9 cur=9
SYS :2023/05/11 02:54:31.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8936]
CHR :2023/05/11
02:54:31.060:VETMS_CHM_RECORDER:2023/05/11|02:54:31.060|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.4922|9050|8977|NS|5620|MAIN 1|YG76.8963|9053|5567|2|5|41.61
SYS :2023/05/11 02:54:31.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:31.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:31.466:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:31.466:VETMS_CHM_RECORDER:2023/05/11|02:54:31.466|22|EMF|3|5100|2
WARN:2023/05/11 02:54:31.648:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:31.648:VETMS_CHM_RECORDER:2023/05/11|02:54:31.648|22|EMF|3|5100|2
SYS :2023/05/11 02:54:31.681:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-7190] ignoring updates.
WARN:2023/05/11 02:54:31.681:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:31.681:VETMS_CHM_RECORDER:2023/05/11|02:54:31.681|22|EMF|3|5100|2
WARN:2023/05/11 02:54:31.832:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-2] seconds!
CHR :2023/05/11 02:54:31.832:VETMS_CHM_RECORDER:2023/05/11|02:54:31.832|22|EMF|3|5100|2
WARN:2023/05/11 02:54:31.857:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
```

```
is [0] seconds!
CHR :2023/05/11 02:54:31.857:VETMS_CHM_RECORDER:2023/05/11|02:54:31.857|22|EMF|3|5100|2
SYS :2023/05/11 02:54:31.891:LOCATION:location_validate_best_on_route_sol: last DR time
1683773671.46 GPS time 1683773672.0
SYS :2023/05/11 02:54:31.891:LOCATION:dead_reckoner: DR position [NS:5620,9050:8936] overwritten
with Abs pos[NS:5620,9050:8900] GPS time gap[-0.109000] GPS dist gap[-4.585085]
WARN:2023/05/11 02:54:31.891:LOCATION:dead_reckoner: GPS time gap[-0.109000] negative wrt
current time
SYS :2023/05/11 02:54:32.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8894]
CHR :2023/05/11
02:54:32.059:VETMS_CHM_RECORDER:2023/05/11|02:54:32.059|5|GPS|3|1|40:58.5659|N|80:23.2749|W|2|09|
1.1
CHR :2023/05/11
02:54:32.059:VETMS_CHM_RECORDER:2023/05/11|02:54:32.059|5|GPS|3|2|40:58.5651|N|80:23.2753|W|2|09|
1.1
CHR :2023/05/11
02:54:32.059:VETMS_CHM_RECORDER:2023/05/11|02:54:32.059|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.4851|9050|8936|NS|5620|MAIN 1|YG76.8882|9053|5526|2|5|41.61
SYS :2023/05/11 02:54:32.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:32.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:32.893:LOCATION:location_validate_best_on_route_sol: last DR time
1683773672.46 GPS time 1683773673.0
SYS :2023/05/11 02:54:32.893:LOCATION:dead_reckoner: DR position [NS:5620,9050:8894] overwritten
with Abs pos[NS:5620,9050:8859] GPS time gap[-0.107000] GPS dist gap[-4.502025]
WARN:2023/05/11 02:54:32.893:LOCATION:dead_reckoner: GPS time gap[-0.107000] negative wrt
current time
SYS :2023/05/11 02:54:33.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8853]
CHR :2023/05/11
02:54:33.059:VETMS_CHM_RECORDER:2023/05/11|02:54:33.059|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.4777|9050|8894|NS|5620|MAIN 1|YG76.8798|9053|5484|2|5|41.61
SYS :2023/05/11 02:54:33.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:33.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:33.906:LOCATION:location_validate_best_on_route_sol: last DR time
1683773673.47 GPS time 1683773674.0
SYS :2023/05/11 02:54:33.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:8853] overwritten
with Abs pos[NS:5620,9050:8817] GPS time gap[-0.093000] GPS dist gap[-3.912045]
WARN:2023/05/11 02:54:33.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt
current time
SYS :2023/05/11 02:54:34.046:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8812]
CHR :2023/05/11
02:54:34.059:VETMS_CHM_RECORDER:2023/05/11|02:54:34.059|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.4706|9050|8853|NS|5620|MAIN 1|YG76.8716|9053|5443|2|5|41.61
SYS :2023/05/11 02:54:34.056:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:34.065:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:34.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773674.46 GPS time 1683773675.0
SYS :2023/05/11 02:54:34.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:8812] overwritten
with Abs pos[NS:5620,9050:8775] GPS time gap[-0.099000] GPS dist gap[-4.168494]
```

WARN:2023/05/11 02:54:34.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt current time

SYS :2023/05/11 02:54:35.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8769]

CHR :2023/05/11

02:54:35.061:VETMS_CHM_RECORDER:2023/05/11|02:54:35.061|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.4635|9050|8812|NS|5620|MAIN 1|YG76.8634|9053|5402|2|5|41.61

SYS :2023/05/11 02:54:35.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:35.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:54:35.625:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:54:35.625:VETMS_CHM_RECORDER:2023/05/11|02:54:35.625|22|EMF|3|5100|2

SYS :2023/05/11 02:54:35.733:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-7355] ignoring updates.

WARN:2023/05/11 02:54:35.733:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:54:35.734:VETMS_CHM_RECORDER:2023/05/11|02:54:35.734|22|EMF|3|5100|2

WARN:2023/05/11 02:54:35.751:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:54:35.752:VETMS_CHM_RECORDER:2023/05/11|02:54:35.752|22|EMF|3|5100|2

WARN:2023/05/11 02:54:35.778:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-4] seconds!

WARN:2023/05/11 02:54:35.778:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:54:35.778:VETMS_CHM_RECORDER:2023/05/11|02:54:35.778|22|EMF|3|5100|2

CHR :2023/05/11 02:54:35.778:VETMS_CHM_RECORDER:2023/05/11|02:54:35.778|22|EMF|3|5100|2

SYS :2023/05/11 02:54:35.891:LOCATION:location_validate_best_on_route_sol: last DR time 1683773675.47 GPS time 1683773676.0

SYS :2023/05/11 02:54:35.891:LOCATION:dead_reckoner: DR position [NS:5620,9050:8769] overwritten with Abs pos[NS:5620,9050:8733] GPS time gap[-0.109000] GPS dist gap[-4.590644]

WARN:2023/05/11 02:54:35.891:LOCATION:dead_reckoner: GPS time gap[-0.109000] negative wrt current time

SYS :2023/05/11 02:54:36.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8727]

CHR :2023/05/11

02:54:36.060:VETMS_CHM_RECORDER:2023/05/11|02:54:36.060|6|LOC|4|28.72|30|NS|5620|MAIN 1|YG74.4560|9050|8769|NS|5620|MAIN 1|YG76.8548|9053|5359|2|5|41.61

SYS :2023/05/11 02:54:36.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:36.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:36.907:LOCATION:location_validate_best_on_route_sol: last DR time 1683773676.47 GPS time 1683773677.0

SYS :2023/05/11 02:54:36.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:8727] overwritten with Abs pos[NS:5620,9050:8692] GPS time gap[-0.093000] GPS dist gap[-3.915858]

WARN:2023/05/11 02:54:36.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt current time

SYS :2023/05/11 02:54:37.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8687]

CHR :2023/05/11

02:54:37.061:VETMS_CHM_RECORDER:2023/05/11|02:54:37.060|5|GPS|3|1|40:58.5923|N|80:23.3038|W|2|09|1.1
CHR :2023/05/11
02:54:37.061:VETMS_CHM_RECORDER:2023/05/11|02:54:37.061|5|GPS|3|2|40:58.5915|N|80:23.3039|W|2|09|1.1
SYS :2023/05/11 02:54:37.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:54:37.061:VETMS_CHM_RECORDER:2023/05/11|02:54:37.061|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.4487|9050|8727|NS|5620|MAIN 1|YG76.8464|9053|5317|2|5|41.61
SYS :2023/05/11 02:54:37.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:37.884:LOCATION:location_validate_best_on_route_sol: last DR time 1683773677.47 GPS time 1683773678.0
SYS :2023/05/11 02:54:37.884:LOCATION:dead_reckoner: DR position [NS:5620,9050:8687] overwritten with Abs pos[NS:5620,9050:8650] GPS time gap[-0.116000] GPS dist gap[-4.884296]
WARN:2023/05/11 02:54:37.884:LOCATION:dead_reckoner: GPS time gap[-0.116000] negative wrt current time
SYS :2023/05/11 02:54:38.051:STARTUP:FD max=7 cur=7
SYS :2023/05/11 02:54:38.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8643]
CHR :2023/05/11
02:54:38.065:VETMS_CHM_RECORDER:2023/05/11|02:54:38.065|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.4417|9050|8687|NS|5620|MAIN 1|YG76.8384|9053|5277|2|5|41.61
SYS :2023/05/11 02:54:38.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:38.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:38.891:LOCATION:location_validate_best_on_route_sol: last DR time 1683773678.52 GPS time 1683773679.0
SYS :2023/05/11 02:54:38.891:LOCATION:dead_reckoner: DR position [NS:5620,9050:8643] overwritten with Abs pos[NS:5620,9050:8609] GPS time gap[-0.109000] GPS dist gap[-4.587374]
WARN:2023/05/11 02:54:38.891:LOCATION:dead_reckoner: GPS time gap[-0.109000] negative wrt current time
SYS :2023/05/11 02:54:39.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8603]
CHR :2023/05/11
02:54:39.059:VETMS_CHM_RECORDER:2023/05/11|02:54:39.059|6|LOC|4|28.70|30|NS|5620|MAIN 1|YG74.4341|9050|8643|NS|5620|MAIN 1|YG76.8296|9053|5233|2|5|41.61
SYS :2023/05/11 02:54:39.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:39.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:39.086:LogMgr:FD max=6 cur=6
WARN:2023/05/11 02:54:39.422:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:54:39.422:VETMS_CHM_RECORDER:2023/05/11|02:54:39.422|22|EMF|3|5100|2
WARN:2023/05/11 02:54:39.683:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
WARN:2023/05/11 02:54:39.683:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
SYS :2023/05/11 02:54:39.684:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-7524] ignoring updates.

CHR :2023/05/11 02:54:39.684:VETMS_CHM_RECORDER:2023/05/11|02:54:39.684|22|EMF|3|5100|2
CHR :2023/05/11 02:54:39.684:VETMS_CHM_RECORDER:2023/05/11|02:54:39.684|22|EMF|3|5100|2
WARN:2023/05/11 02:54:39.724:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:39.724:VETMS_CHM_RECORDER:2023/05/11|02:54:39.724|22|EMF|3|5100|2
WARN:2023/05/11 02:54:39.924:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:39.925:VETMS_CHM_RECORDER:2023/05/11|02:54:39.925|22|EMF|3|5100|2
SYS :2023/05/11 02:54:39.945:LOCATION:location_validate_best_on_route_sol: last DR time
1683773679.47 GPS time 1683773680.0
SYS :2023/05/11 02:54:39.945:LOCATION:dead_reckoner: DR position [NS:5620,9050:8603] overwritten
with Abs pos[NS:5620,9050:8567] GPS time gap[-0.055000] GPS dist gap[-2.315280]
WARN:2023/05/11 02:54:39.945:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt
current time
SYS :2023/05/11 02:54:40.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8563]
SYS :2023/05/11 02:54:40.055:GPS:gps_lhz_task: Using GPS:1 Path:udprx:*:22001 as the primary GPS
receiver for setting system time.
CHR :2023/05/11
02:54:40.060:VETMS_CHM_RECORDER:2023/05/11|02:54:40.060|6|LOC|4|28.71|30|NS|5620|MAIN
1|YG74.4271|9050|8603|NS|5620|MAIN 1|YG76.8216|9053|5193|2|5|41.61
SYS :2023/05/11 02:54:40.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:40.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:40.899:LOCATION:location_validate_best_on_route_sol: last DR time
1683773680.47 GPS time 1683773681.0
SYS :2023/05/11 02:54:40.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:8563] overwritten
with Abs pos[NS:5620,9050:8525] GPS time gap[-0.101000] GPS dist gap[-4.253716]
WARN:2023/05/11 02:54:40.899:LOCATION:dead_reckoner: GPS time gap[-0.101000] negative wrt
current time
SYS :2023/05/11 02:54:41.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8519]
CHR :2023/05/11
02:54:41.060:VETMS_CHM_RECORDER:2023/05/11|02:54:41.060|6|LOC|4|28.72|30|NS|5620|MAIN
1|YG74.4201|9050|8563|NS|5620|MAIN 1|YG76.8137|9053|5153|2|5|41.61
SYS :2023/05/11 02:54:41.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:41.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:41.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773681.47 GPS time 1683773682.0
SYS :2023/05/11 02:54:41.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:8519] overwritten
with Abs pos[NS:5620,9050:8483] GPS time gap[-0.087000] GPS dist gap[-3.664092]
WARN:2023/05/11 02:54:41.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:54:42.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8478]
CHR :2023/05/11
02:54:42.059:VETMS_CHM_RECORDER:2023/05/11|02:54:42.059|5|GPS|3|1|40:58.6190|N|80:23.3324|W|2|09|
1.1
CHR :2023/05/11
02:54:42.059:VETMS_CHM_RECORDER:2023/05/11|02:54:42.059|5|GPS|3|2|40:58.6181|N|80:23.3329|W|2|09|
1.1
CHR :2023/05/11

02:54:42.059:VETMS_CHM_RECORDER:2023/05/11|02:54:42.059|6|LOC|4|28.72|30|NS|5620|MAIN
1|YG74.4125|9050|8519|NS|5620|MAIN 1|YG76.8049|9053|5109|2|5|41.61
SYS :2023/05/11 02:54:42.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:42.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:42.906:LOCATION:location_validate_best_on_route_sol: last DR time
1683773682.47 GPS time 1683773683.0
SYS :2023/05/11 02:54:42.906:LOCATION:dead_reckoner: DR position [NS:5620,9050:8478] overwritten
with Abs pos[NS:5620,9050:8441] GPS time gap[-0.094000] GPS dist gap[-3.961724]
WARN:2023/05/11 02:54:42.906:LOCATION:dead_reckoner: GPS time gap[-0.094000] negative wrt
current time
SYS :2023/05/11 02:54:43.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8436]
CHR :2023/05/11
02:54:43.060:VETMS_CHM_RECORDER:2023/05/11|02:54:43.060|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.4053|9050|8478|NS|5620|MAIN 1|YG76.7967|9053|5068|2|5|41.61
SYS :2023/05/11 02:54:43.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:43.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:43.740:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:54:43.740:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:54:43.740:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-7689] ignoring updates.
CHR :2023/05/11 02:54:43.740:VETMS_CHM_RECORDER:2023/05/11|02:54:43.740|22|EMF|3|5100|2
CHR :2023/05/11 02:54:43.740:VETMS_CHM_RECORDER:2023/05/11|02:54:43.740|22|EMF|3|5100|2
WARN:2023/05/11 02:54:43.764:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:43.764:VETMS_CHM_RECORDER:2023/05/11|02:54:43.764|22|EMF|3|5100|2
SYS :2023/05/11 02:54:43.891:LOCATION:location_validate_best_on_route_sol: last DR time
1683773683.47 GPS time 1683773684.0
SYS :2023/05/11 02:54:43.891:LOCATION:dead_reckoner: DR position [NS:5620,9050:8436] overwritten
with Abs pos[NS:5620,9050:8400] GPS time gap[-0.109000] GPS dist gap[-4.592824]
WARN:2023/05/11 02:54:43.891:LOCATION:dead_reckoner: GPS time gap[-0.109000] negative wrt
current time
SYS :2023/05/11 02:54:44.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8394]
CHR :2023/05/11
02:54:44.061:VETMS_CHM_RECORDER:2023/05/11|02:54:44.061|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.3980|9050|8436|NS|5620|MAIN 1|YG76.7883|9053|5026|2|5|41.61
SYS :2023/05/11 02:54:44.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:44.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:44.915:LOCATION:location_validate_best_on_route_sol: last DR time
1683773684.47 GPS time 1683773685.0
SYS :2023/05/11 02:54:44.915:LOCATION:dead_reckoner: DR position [NS:5620,9050:8394] overwritten
with Abs pos[NS:5620,9050:8358] GPS time gap[-0.085000] GPS dist gap[-3.579860]
WARN:2023/05/11 02:54:44.915:LOCATION:dead_reckoner: GPS time gap[-0.085000] negative wrt
current time

SYS :2023/05/11 02:54:45.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8353]
CHR :2023/05/11
02:54:45.059:VETMS_CHM_RECORDER:2023/05/11|02:54:45.059|6|LOC|4|28.72|30|NS|5620|MAIN
1|YG74.3907|9050|8394|NS|5620|MAIN 1|YG76.7799|9053|4984|2|5|41.61
SYS :2023/05/11 02:54:45.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:45.066:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:45.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773685.47 GPS time 1683773686.0
SYS :2023/05/11 02:54:45.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:8353] overwritten
with Abs pos[NS:5620,9050:8316] GPS time gap[-0.089000] GPS dist gap[-3.748324]
WARN:2023/05/11 02:54:45.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:54:46.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8311]
CHR :2023/05/11
02:54:46.065:VETMS_CHM_RECORDER:2023/05/11|02:54:46.065|6|LOC|4|28.72|30|NS|5620|MAIN
1|YG74.3836|9050|8353|NS|5620|MAIN 1|YG76.7717|9053|4943|2|5|41.61
SYS :2023/05/11 02:54:46.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:46.076:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:46.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773686.47 GPS time 1683773687.0
SYS :2023/05/11 02:54:46.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:8311] overwritten
with Abs pos[NS:5620,9050:8274] GPS time gap[-0.099000] GPS dist gap[-4.170474]
WARN:2023/05/11 02:54:46.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:54:47.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8268]
CHR :2023/05/11
02:54:47.059:VETMS_CHM_RECORDER:2023/05/11|02:54:47.059|5|GPS|3|1|40:58.6455|N|80:23.3613|W|2|09|
1.1
CHR :2023/05/11
02:54:47.059:VETMS_CHM_RECORDER:2023/05/11|02:54:47.059|5|GPS|3|2|40:58.6441|N|80:23.3612|W|2|09|
1.1
CHR :2023/05/11
02:54:47.059:VETMS_CHM_RECORDER:2023/05/11|02:54:47.059|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.3763|9050|8311|NS|5620|MAIN 1|YG76.7633|9053|4901|2|5|41.61
SYS :2023/05/11 02:54:47.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:47.066:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:47.681:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-7856] ignoring updates.
SYS :2023/05/11 02:54:47.681:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-7856] ignoring updates.
WARN:2023/05/11 02:54:47.704:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:47.704:VETMS_CHM_RECORDER:2023/05/11|02:54:47.704|22|EMF|3|5100|2
WARN:2023/05/11 02:54:47.733:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:47.733:VETMS_CHM_RECORDER:2023/05/11|02:54:47.733|22|EMF|3|5100|2

SYS :2023/05/11 02:54:47.905:LOCATION:location_validate_best_on_route_sol: last DR time
1683773687.47 GPS time 1683773688.0

SYS :2023/05/11 02:54:47.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:8268] overwritten
with Abs pos[NS:5620,9050:8232] GPS time gap[-0.095000] GPS dist gap[-4.003870]

WARN:2023/05/11 02:54:47.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt
current time

SYS :2023/05/11 02:54:48.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8226]

CHR :2023/05/11
02:54:48.065:VETMS_CHM_RECORDER:2023/05/11|02:54:48.065|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.3688|9050|8268|NS|5620|MAIN 1|YG76.7547|9053|4858|2|5|41.61

SYS :2023/05/11 02:54:48.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:48.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:48.924:LOCATION:location_validate_best_on_route_sol: last DR time
1683773688.52 GPS time 1683773689.0

SYS :2023/05/11 02:54:48.924:LOCATION:dead_reckoner: DR position [NS:5620,9050:8226] overwritten
with Abs pos[NS:5620,9050:8191] GPS time gap[-0.076000] GPS dist gap[-3.202336]

WARN:2023/05/11 02:54:48.924:LOCATION:dead_reckoner: GPS time gap[-0.076000] negative wrt
current time

SYS :2023/05/11 02:54:49.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8186]

CHR :2023/05/11
02:54:49.060:VETMS_CHM_RECORDER:2023/05/11|02:54:49.060|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.3616|9050|8226|NS|5620|MAIN 1|YG76.7464|9053|4816|2|5|41.61

SYS :2023/05/11 02:54:49.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:49.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:49.915:LOCATION:location_validate_best_on_route_sol: last DR time
1683773689.47 GPS time 1683773690.0

SYS :2023/05/11 02:54:49.915:LOCATION:dead_reckoner: DR position [NS:5620,9050:8186] overwritten
with Abs pos[NS:5620,9050:8150] GPS time gap[-0.085000] GPS dist gap[-3.580710]

WARN:2023/05/11 02:54:49.915:LOCATION:dead_reckoner: GPS time gap[-0.085000] negative wrt
current time

SYS :2023/05/11 02:54:50.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8145]

CHR :2023/05/11
02:54:50.060:VETMS_CHM_RECORDER:2023/05/11|02:54:50.060|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.3547|9050|8186|NS|5620|MAIN 1|YG76.7384|9053|4776|2|5|41.61

SYS :2023/05/11 02:54:50.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:50.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:50.932:LOCATION:location_validate_best_on_route_sol: last DR time
1683773690.47 GPS time 1683773691.0

SYS :2023/05/11 02:54:50.932:LOCATION:dead_reckoner: DR position [NS:5620,9050:8145] overwritten
with Abs pos[NS:5620,9050:8108] GPS time gap[-0.068000] GPS dist gap[-2.865928]

WARN:2023/05/11 02:54:50.932:LOCATION:dead_reckoner: GPS time gap[-0.068000] negative wrt
current time

SYS :2023/05/11 02:54:51.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8104]

CHR :2023/05/11
02:54:51.060:VETMS_CHM_RECORDER:2023/05/11|02:54:51.060|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.3475|9050|8145|NS|5620|MAIN 1|YG76.7302|9053|4735|2|5|41.61

SYS :2023/05/11 02:54:51.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

```
SYS :2023/05/11 02:54:51.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:51.785:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:51.785:VETMS_CHM_RECORDER:2023/05/11|02:54:51.785|22|EMF|3|5100|2
WARN:2023/05/11 02:54:51.821:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:51.821:VETMS_CHM_RECORDER:2023/05/11|02:54:51.821|22|EMF|3|5100|2
SYS :2023/05/11 02:54:51.847:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-8022] ignoring updates.
WARN:2023/05/11 02:54:51.870:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:54:51.870:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:54:51.870:VETMS_CHM_RECORDER:2023/05/11|02:54:51.870|22|EMF|3|5100|2
CHR :2023/05/11 02:54:51.870:VETMS_CHM_RECORDER:2023/05/11|02:54:51.870|22|EMF|3|5100|2
SYS :2023/05/11 02:54:51.910:LOCATION:location_validate_best_on_route_sol: last DR time
1683773691.47 GPS time 1683773692.0
SYS :2023/05/11 02:54:51.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:8104] overwritten
with Abs pos[NS:5620,9050:8067] GPS time gap[-0.090000] GPS dist gap[-3.791340]
WARN:2023/05/11 02:54:51.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time
SYS :2023/05/11 02:54:52.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8062]
CHR :2023/05/11
02:54:52.061:VETMS_CHM_RECORDER:2023/05/11|02:54:52.061|5|GPS|3|1|40:58.6717|N|80:23.3903|W|2|09|
1.1
CHR :2023/05/11
02:54:52.061:VETMS_CHM_RECORDER:2023/05/11|02:54:52.061|5|GPS|3|2|40:58.6706|N|80:23.3899|W|2|09|
1.1
CHR :2023/05/11
02:54:52.061:VETMS_CHM_RECORDER:2023/05/11|02:54:52.061|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.3404|9050|8104|NS|5620|MAIN 1|YG76.7220|9053|4694|2|5|41.61
SYS :2023/05/11 02:54:52.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:52.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:52.082:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:52.083:VETMS_CHM_RECORDER:2023/05/11|02:54:52.083|22|EMF|3|5100|2
SYS :2023/05/11 02:54:52.914:LOCATION:location_validate_best_on_route_sol: last DR time
1683773692.47 GPS time 1683773693.0
SYS :2023/05/11 02:54:52.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:8062] overwritten
with Abs pos[NS:5620,9050:8025] GPS time gap[-0.086000] GPS dist gap[-3.622836]
WARN:2023/05/11 02:54:52.915:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt
current time
SYS :2023/05/11 02:54:53.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:8020]
SYS :2023/05/11 02:54:53.056:SYSTEM_STATE:system state is [sysACTIVE]
SYS :2023/05/11 02:54:53.056:SYSTEM_STATE:system sub-state is [subNOT_APPLICABLE]
SYS :2023/05/11 02:54:53.056:SYSTEM_STATE:slice state is [SECONDARY]
```

CHR :2023/05/11
02:54:53.060:VETMS_CHM_RECORDER:2023/05/11|02:54:53.060|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.3331|9050|8062|NS|5620|MAIN 1|YG76.7136|9053|4652|2|5|41.61
SYS :2023/05/11 02:54:53.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:53.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:53.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773693.47 GPS time 1683773694.0
SYS :2023/05/11 02:54:53.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:8020] overwritten
with Abs pos[NS:5620,9050:7983] GPS time gap[-0.091000] GPS dist gap[-3.827915]
WARN:2023/05/11 02:54:53.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt
current time
SYS :2023/05/11 02:54:54.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7978]
CHR :2023/05/11
02:54:54.059:VETMS_CHM_RECORDER:2023/05/11|02:54:54.059|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.3258|9050|8020|NS|5620|MAIN 1|YG76.7052|9053|4610|2|5|41.61
SYS :2023/05/11 02:54:54.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:54.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:54.924:LOCATION:location_validate_best_on_route_sol: last DR time
1683773694.48 GPS time 1683773695.0
SYS :2023/05/11 02:54:54.924:LOCATION:dead_reckoner: DR position [NS:5620,9050:7978] overwritten
with Abs pos[NS:5620,9050:7941] GPS time gap[-0.076000] GPS dist gap[-3.197700]
WARN:2023/05/11 02:54:54.924:LOCATION:dead_reckoner: GPS time gap[-0.076000] negative wrt
current time
SYS :2023/05/11 02:54:55.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7936]
CHR :2023/05/11
02:54:55.060:VETMS_CHM_RECORDER:2023/05/11|02:54:55.059|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.3185|9050|7978|NS|5620|MAIN 1|YG76.6968|9053|4568|2|5|41.61
SYS :2023/05/11 02:54:55.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:55.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:54:55.476:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:55.476:VETMS_CHM_RECORDER:2023/05/11|02:54:55.476|22|EMF|3|5100|2
WARN:2023/05/11 02:54:55.645:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:55.645:VETMS_CHM_RECORDER:2023/05/11|02:54:55.645|22|EMF|3|5100|2
SYS :2023/05/11 02:54:55.725:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-8189] ignoring updates.
WARN:2023/05/11 02:54:55.725:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:54:55.725:VETMS_CHM_RECORDER:2023/05/11|02:54:55.725|22|EMF|3|5100|2
WARN:2023/05/11 02:54:55.752:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:54:55.752:VETMS_CHM_RECORDER:2023/05/11|02:54:55.752|22|EMF|3|5100|2
ERR :2023/05/11 02:54:55.758:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)

SYS :2023/05/11 02:54:55.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773695.47 GPS time 1683773696.0

SYS :2023/05/11 02:54:55.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:7936] overwritten
with Abs pos[NS:5620,9050:7900] GPS time gap[-0.079000] GPS dist gap[-3.323135]

WARN:2023/05/11 02:54:55.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt
current time

SYS :2023/05/11 02:54:56.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7895]

CHR :2023/05/11
02:54:56.060:VETMS_CHM_RECORDER:2023/05/11|02:54:56.060|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.3111|9050|7936|NS|5620|MAIN 1|YG76.6884|9053|4526|2|5|41.61

SYS :2023/05/11 02:54:56.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:56.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:56.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773696.47 GPS time 1683773697.0

SYS :2023/05/11 02:54:56.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:7895] overwritten
with Abs pos[NS:5620,9050:7858] GPS time gap[-0.096000] GPS dist gap[-4.042176]

WARN:2023/05/11 02:54:56.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time

SYS :2023/05/11 02:54:57.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7852]

CHR :2023/05/11
02:54:57.062:VETMS_CHM_RECORDER:2023/05/11|02:54:57.061|5|GPS|3|1|40:58.6982|N|80:23.4193|W|2|09|
1.1

CHR :2023/05/11
02:54:57.062:VETMS_CHM_RECORDER:2023/05/11|02:54:57.062|5|GPS|3|2|40:58.6972|N|80:23.4186|W|2|09|
1.1

SYS :2023/05/11 02:54:57.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

CHR :2023/05/11
02:54:57.062:VETMS_CHM_RECORDER:2023/05/11|02:54:57.062|6|LOC|4|28.71|30|NS|5620|MAIN
1|YG74.3040|9050|7895|NS|5620|MAIN 1|YG76.6802|9053|4485|2|5|41.61

SYS :2023/05/11 02:54:57.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:57.932:LOCATION:location_validate_best_on_route_sol: last DR time
1683773697.48 GPS time 1683773698.0

SYS :2023/05/11 02:54:57.932:LOCATION:dead_reckoner: DR position [NS:5620,9050:7852] overwritten
with Abs pos[NS:5620,9050:7816] GPS time gap[-0.068000] GPS dist gap[-2.864568]

WARN:2023/05/11 02:54:57.932:LOCATION:dead_reckoner: GPS time gap[-0.068000] negative wrt
current time

SYS :2023/05/11 02:54:58.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7811]

CHR :2023/05/11
02:54:58.065:VETMS_CHM_RECORDER:2023/05/11|02:54:58.065|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.2965|9050|7852|NS|5620|MAIN 1|YG76.6717|9053|4442|2|5|41.61

SYS :2023/05/11 02:54:58.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:54:58.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:54:58.886:LOCATION:location_validate_best_on_route_sol: last DR time
1683773698.52 GPS time 1683773699.0

SYS :2023/05/11 02:54:58.886:LOCATION:dead_reckoner: DR position [NS:5620,9050:7811] overwritten
with Abs pos[NS:5620,9050:7774] GPS time gap[-0.114000] GPS dist gap[-4.800084]

WARN:2023/05/11 02:54:58.886:LOCATION:dead_reckoner: GPS time gap[-0.114000] negative wrt
current time

SYS :2023/05/11 02:54:59.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7768]
CHR :2023/05/11
02:54:59.059:VETMS_CHM_RECORDER:2023/05/11|02:54:59.059|6|LOC|4|28.71|30|NS|5620|MAIN
1|YG74.2894|9050|7811|NS|5620|MAIN 1|YG76.6635|9053|4401|2|5|41.61
SYS :2023/05/11 02:54:59.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:54:59.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:54:59.717:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-8356] ignoring updates.
WARN:2023/05/11 02:54:59.717:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:54:59.717:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:59.717:VETMS_CHM_RECORDER:2023/05/11|02:54:59.717|22|EMF|3|5100|2
CHR :2023/05/11 02:54:59.717:VETMS_CHM_RECORDER:2023/05/11|02:54:59.717|22|EMF|3|5100|2
WARN:2023/05/11 02:54:59.758:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:59.758:VETMS_CHM_RECORDER:2023/05/11|02:54:59.758|22|EMF|3|5100|2
WARN:2023/05/11 02:54:59.779:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:54:59.779:VETMS_CHM_RECORDER:2023/05/11|02:54:59.779|22|EMF|3|5100|2
WARN:2023/05/11 02:54:59.811:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:54:59.812:VETMS_CHM_RECORDER:2023/05/11|02:54:59.812|22|EMF|3|5100|2
SYS :2023/05/11 02:54:59.908:LOCATION:location_validate_best_on_route_sol: last DR time
1683773699.47 GPS time 1683773700.0
SYS :2023/05/11 02:54:59.908:LOCATION:dead_reckoner: DR position [NS:5620,9050:7768] overwritten
with Abs pos[NS:5620,9050:7732] GPS time gap[-0.092000] GPS dist gap[-3.875592]
WARN:2023/05/11 02:54:59.908:LOCATION:dead_reckoner: GPS time gap[-0.092000] negative wrt
current time
SYS :2023/05/11 02:55:00.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7727]
CHR :2023/05/11
02:55:00.060:VETMS_CHM_RECORDER:2023/05/11|02:55:00.060|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.2819|9050|7768|NS|5620|MAIN 1|YG76.6549|9053|4358|2|5|41.61
SYS :2023/05/11 02:55:00.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:00.080:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:00.083:ENFORCEMENT:,SPD,28.7,mph,LL:MP,74.2718, NS, 5620, 9050,
7710,TL,MP,76.6501, NS, 5620, 9053,
4334,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM
State,0,TN,004,TE,00200,DBON,0,DBE,00293,PCS,0,STS,00,GRD,
0.02%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0071544,LRF,-0001612,L
BF,+0000000,CRF,-0047272,CBF,+0000000,GF,-0012304,CF,-0007246,
SYS :2023/05/11
02:55:00.083:ENFORCEMENT:,PA,0.00150,*,AA,0.01350,TTE,***,DTE,***,TD,***,ECL,01415,ECT,48,EMS,28.
7,BCL,02583,BCT,76,BMS,28.7,PCL,01854,PCT,46,WCL,02587,WCT,76,WMS,28.7,SFO,0309,
SYS :2023/05/11 02:55:00.919:LOCATION:location_validate_best_on_route_sol: last DR time

1683773700.48 GPS time 1683773701.0
SYS :2023/05/11 02:55:00.919:LOCATION:dead_reckoner: DR position [NS:5620,9050:7727] overwritten with Abs pos[NS:5620,9050:7691] GPS time gap[-0.081000] GPS dist gap[-3.410586]
WARN:2023/05/11 02:55:00.919:LOCATION:dead_reckoner: GPS time gap[-0.081000] negative wrt current time
SYS :2023/05/11 02:55:01.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7686]
CHR :2023/05/11
02:55:01.061:VETMS_CHM_RECORDER:2023/05/11|02:55:01.061|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.2748|9050|7727|NS|5620|MAIN 1|YG76.6467|9053|4317|2|5|41.61
SYS :2023/05/11 02:55:01.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:01.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:01.899:LOCATION:location_validate_best_on_route_sol: last DR time 1683773701.48 GPS time 1683773702.0
SYS :2023/05/11 02:55:01.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:7686] overwritten with Abs pos[NS:5620,9050:7649] GPS time gap[-0.101000] GPS dist gap[-4.250686]
WARN:2023/05/11 02:55:01.899:LOCATION:dead_reckoner: GPS time gap[-0.101000] negative wrt current time
SYS :2023/05/11 02:55:02.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7643]
CHR :2023/05/11
02:55:02.059:VETMS_CHM_RECORDER:2023/05/11|02:55:02.059|5|GPS|3|1|40:58.7249|N|80:23.4480|W|2|09|1.1
CHR :2023/05/11
02:55:02.059:VETMS_CHM_RECORDER:2023/05/11|02:55:02.059|5|GPS|3|2|40:58.7236|N|80:23.4473|W|2|09|1.1
CHR :2023/05/11
02:55:02.059:VETMS_CHM_RECORDER:2023/05/11|02:55:02.059|6|LOC|4|28.70|30|NS|5620|MAIN 1|YG74.2676|9050|7686|NS|5620|MAIN 1|YG76.6385|9053|4276|2|5|41.61
SYS :2023/05/11 02:55:02.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:02.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:02.902:LOCATION:location_validate_best_on_route_sol: last DR time 1683773702.48 GPS time 1683773703.0
SYS :2023/05/11 02:55:02.902:LOCATION:dead_reckoner: DR position [NS:5620,9050:7643] overwritten with Abs pos[NS:5620,9050:7607] GPS time gap[-0.098000] GPS dist gap[-4.126388]
WARN:2023/05/11 02:55:02.902:LOCATION:dead_reckoner: GPS time gap[-0.098000] negative wrt current time
SYS :2023/05/11 02:55:03.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7601]
CHR :2023/05/11
02:55:03.059:VETMS_CHM_RECORDER:2023/05/11|02:55:03.059|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.2601|9050|7643|NS|5620|MAIN 1|YG76.6299|9053|4233|2|5|41.61
SYS :2023/05/11 02:55:03.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:03.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:03.495:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:55:03.495:VETMS_CHM_RECORDER:2023/05/11|02:55:03.495|22|EMF|3|5100|2
SYS :2023/05/11 02:55:03.648:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-8524] ignoring updates.
SYS :2023/05/11 02:55:03.648:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is

[-8524] ignoring updates.

WARN:2023/05/11 02:55:03.648:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:55:03.648:VETMS_CHM_RECORDER:2023/05/11|02:55:03.648|22|EMF|3|5100|2

WARN:2023/05/11 02:55:03.700:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:55:03.700:VETMS_CHM_RECORDER:2023/05/11|02:55:03.700|22|EMF|3|5100|2

SYS :2023/05/11 02:55:03.917:LOCATION:location_validate_best_on_route_sol: last DR time 1683773703.48 GPS time 1683773704.0

SYS :2023/05/11 02:55:03.917:LOCATION:dead_reckoner: DR position [NS:5620,9050:7601] overwritten with Abs pos[NS:5620,9050:7565] GPS time gap[-0.083000] GPS dist gap[-3.493968]

WARN:2023/05/11 02:55:03.917:LOCATION:dead_reckoner: GPS time gap[-0.083000] negative wrt current time

SYS :2023/05/11 02:55:04.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7560]

CHR :2023/05/11 02:55:04.061:VETMS_CHM_RECORDER:2023/05/11|02:55:04.060|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.2528|9050|7601|NS|5620|MAIN 1|YG76.6215|9053|4191|2|5|41.61

SYS :2023/05/11 02:55:04.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:55:04.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:55:04.904:LOCATION:location_validate_best_on_route_sol: last DR time 1683773704.48 GPS time 1683773705.0

SYS :2023/05/11 02:55:04.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:7560] overwritten with Abs pos[NS:5620,9050:7524] GPS time gap[-0.096000] GPS dist gap[-4.043136]

WARN:2023/05/11 02:55:04.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt current time

SYS :2023/05/11 02:55:05.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7518]

CHR :2023/05/11 02:55:05.060:VETMS_CHM_RECORDER:2023/05/11|02:55:05.060|6|LOC|4|28.72|30|NS|5620|MAIN 1|YG74.2457|9050|7560|NS|5620|MAIN 1|YG76.6133|9053|4150|2|5|41.61

SYS :2023/05/11 02:55:05.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:55:05.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:55:05.900:LOCATION:location_validate_best_on_route_sol: last DR time 1683773705.48 GPS time 1683773706.0

SYS :2023/05/11 02:55:05.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:7518] overwritten with Abs pos[NS:5620,9050:7482] GPS time gap[-0.100000] GPS dist gap[-4.212600]

WARN:2023/05/11 02:55:05.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt current time

SYS :2023/05/11 02:55:06.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7476]

CHR :2023/05/11 02:55:06.061:VETMS_CHM_RECORDER:2023/05/11|02:55:06.061|6|LOC|4|28.73|30|NS|5620|MAIN 1|YG74.2384|9050|7518|NS|5620|MAIN 1|YG76.6050|9053|4108|2|5|41.61

SYS :2023/05/11 02:55:06.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:55:06.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

CHR :2023/05/11 02:55:06.089:VETMS_CHM_RECORDER:2023/05/11|02:55:06.089|16|TGT|4|4441|2582|0|4|NS|5620|9053|14847|NS|5620|9048|0|EQUIPMENT RESTRICTIO|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|SPEED

```
RESTRICTION|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|PERMANENT SPEED
REST|40|0|0|NS|5620|9052|385|NS|5620|9
CHR :2023/05/11 02:55:06.089:VETMS_CHM_RECORDER:052|0|PERMANENT SPEED REST|30|0|0
SYS :2023/05/11 02:55:06.908:LOCATION:location_validate_best_on_route_sol: last DR time
1683773706.48 GPS time 1683773707.0
SYS :2023/05/11 02:55:06.908:LOCATION:dead_reckoner: DR position [NS:5620,9050:7476] overwritten
with Abs pos[NS:5620,9050:7440] GPS time gap[-0.092000] GPS dist gap[-3.876512]
WARN:2023/05/11 02:55:06.908:LOCATION:dead_reckoner: GPS time gap[-0.092000] negative wrt
current time
SYS :2023/05/11 02:55:07.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7435]
CHR :2023/05/11
02:55:07.061:VETMS_CHM_RECORDER:2023/05/11|02:55:07.061|5|GPS|3|1|40:58.7514|N|80:23.4768|W|2|09|
1.1
CHR :2023/05/11
02:55:07.061:VETMS_CHM_RECORDER:2023/05/11|02:55:07.061|5|GPS|3|2|40:58.7504|N|80:23.4762|W|2|09|
1.1
SYS :2023/05/11 02:55:07.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:55:07.061:VETMS_CHM_RECORDER:2023/05/11|02:55:07.061|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.2311|9050|7476|NS|5620|MAIN 1|YG76.5966|9053|4066|2|5|41.61
SYS :2023/05/11 02:55:07.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:07.519:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:07.519:VETMS_CHM_RECORDER:2023/05/11|02:55:07.519|22|EMF|3|5100|2
SYS :2023/05/11 02:55:07.664:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-8691] ignoring updates.
WARN:2023/05/11 02:55:07.664:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:07.664:VETMS_CHM_RECORDER:2023/05/11|02:55:07.664|22|EMF|3|5100|2
WARN:2023/05/11 02:55:07.681:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:55:07.682:VETMS_CHM_RECORDER:2023/05/11|02:55:07.682|22|EMF|3|5100|2
WARN:2023/05/11 02:55:07.772:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:07.772:VETMS_CHM_RECORDER:2023/05/11|02:55:07.772|22|EMF|3|5100|2
SYS :2023/05/11 02:55:07.890:LOCATION:location_validate_best_on_route_sol: last DR time
1683773707.48 GPS time 1683773708.0
SYS :2023/05/11 02:55:07.890:LOCATION:dead_reckoner: DR position [NS:5620,9050:7435] overwritten
with Abs pos[NS:5620,9050:7398] GPS time gap[-0.110000] GPS dist gap[-4.636060]
WARN:2023/05/11 02:55:07.890:LOCATION:dead_reckoner: GPS time gap[-0.110000] negative wrt
current time
SYS :2023/05/11 02:55:08.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7392]
CHR :2023/05/11
02:55:08.069:VETMS_CHM_RECORDER:2023/05/11|02:55:08.069|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.2239|9050|7435|NS|5620|MAIN 1|YG76.5884|9053|4025|2|5|41.61
SYS :2023/05/11 02:55:08.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:08.092:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
```

```
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:08.907:LOCATION:location_validate_best_on_route_sol: last DR time
1683773708.53 GPS time 1683773709.0
SYS :2023/05/11 02:55:08.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:7392] overwritten
with Abs pos[NS:5620,9050:7357] GPS time gap[-0.093000] GPS dist gap[-3.919578]
WARN:2023/05/11 02:55:08.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt
current time
SYS :2023/05/11 02:55:09.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7352]
CHR :2023/05/11
02:55:09.061:VETMS_CHM_RECORDER:2023/05/11|02:55:09.061|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.2164|9050|7392|NS|5620|MAIN 1|YG76.5798|9053|3982|2|5|41.61
SYS :2023/05/11 02:55:09.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:09.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:09.945:LOCATION:location_validate_best_on_route_sol: duplicate solution
ignored, last DR time 1683773709.48 GPS time 1683773709.0
SYS :2023/05/11 02:55:09.945:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7314]
SYS :2023/05/11 02:55:10.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7309]
CHR :2023/05/11
02:55:10.061:VETMS_CHM_RECORDER:2023/05/11|02:55:10.061|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.2095|9050|7352|NS|5620|MAIN 1|YG76.5718|9053|3942|2|5|41.61
SYS :2023/05/11 02:55:10.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:10.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:10.196:LOCATION:location_validate_best_on_route_sol: last DR time
1683773710.48 GPS time 1683773710.0
SYS :2023/05/11 02:55:10.196:LOCATION:dead_reckoner: DR position [NS:5620,9050:7309] overwritten
with Abs pos[NS:5620,9050:7315] GPS time gap[0.196000] GPS dist gap[8.260616]
SYS :2023/05/11 02:55:10.197:LOCATION:dead_reckoner: navigated for GPS latency, new
pos[NS:5620,9050:7307] GPS time gap[0.196000] GPS dist gap[8.260616]
SYS :2023/05/11 02:55:10.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773710.196 GPS time 1683773711.0
SYS :2023/05/11 02:55:10.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:7307] overwritten
with Abs pos[NS:5620,9050:7273] GPS time gap[-0.097000] GPS dist gap[-4.088162]
WARN:2023/05/11 02:55:10.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
SYS :2023/05/11 02:55:11.047:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7267]
CHR :2023/05/11
02:55:11.060:VETMS_CHM_RECORDER:2023/05/11|02:55:11.060|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.2020|9050|7309|NS|5620|MAIN 1|YG76.5632|9053|3899|2|5|41.61
SYS :2023/05/11 02:55:11.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:11.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:11.604:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:11.604:VETMS_CHM_RECORDER:2023/05/11|02:55:11.604|22|EMF|3|5100|2
SYS :2023/05/11 02:55:11.625:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-8858] ignoring updates.
SYS :2023/05/11 02:55:11.649:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-8858] ignoring updates.
```

WARN:2023/05/11 02:55:11.649:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:55:11.649:VETMS_CHM_RECORDER:2023/05/11|02:55:11.649|22|EMF|3|5100|2

SYS :2023/05/11 02:55:11.914:LOCATION:location_validate_best_on_route_sol: last DR time 1683773711.47 GPS time 1683773712.0

SYS :2023/05/11 02:55:11.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:7267] overwritten with Abs pos[NS:5620,9050:7231] GPS time gap[-0.086000] GPS dist gap[-3.625416]

WARN:2023/05/11 02:55:11.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt current time

SYS :2023/05/11 02:55:12.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7226]

CHR :2023/05/11 02:55:12.059:VETMS_CHM_RECORDER:2023/05/11|02:55:12.059|5|GPS|3|1|40:58.7779|N|80:23.5059|W|2|09|1.1

CHR :2023/05/11 02:55:12.059:VETMS_CHM_RECORDER:2023/05/11|02:55:12.059|5|GPS|3|2|40:58.7769|N|80:23.5053|W|2|09|1.1

CHR :2023/05/11 02:55:12.060:VETMS_CHM_RECORDER:2023/05/11|02:55:12.060|6|LOC|4|28.75|30|NS|5620|MAIN 1|YG74.1947|9050|7267|NS|5620|MAIN 1|YG76.5548|9053|3857|2|5|41.61

SYS :2023/05/11 02:55:12.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:55:12.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:55:12.918:LOCATION:location_validate_best_on_route_sol: last DR time 1683773712.48 GPS time 1683773713.0

SYS :2023/05/11 02:55:12.918:LOCATION:dead_reckoner: DR position [NS:5620,9050:7226] overwritten with Abs pos[NS:5620,9050:7189] GPS time gap[-0.082000] GPS dist gap[-3.455972]

WARN:2023/05/11 02:55:12.918:LOCATION:dead_reckoner: GPS time gap[-0.082000] negative wrt current time

SYS :2023/05/11 02:55:13.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7184]

SYS :2023/05/11 02:55:13.057:TEST_MGR:Running Software Version 6.3.24.1 [MD5: 48e65b303f438e2a45b460c4194cc96]

SYS :2023/05/11 02:55:13.059:TRACK_WARRANT:tw_log_current_auth_blocks: No Authority Block data

CHR :2023/05/11 02:55:13.062:VETMS_CHM_RECORDER:2023/05/11|02:55:13.062|6|LOC|4|28.74|30|NS|5620|MAIN 1|YG74.1875|9050|7226|NS|5620|MAIN 1|YG76.5466|9053|3816|2|5|41.61

SYS :2023/05/11 02:55:13.059:TRACK_WARRANT:tw_log_auth_limits: No Authority Fwd limits data

SYS :2023/05/11 02:55:13.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:55:13.059:TRACK_WARRANT:tw_log_auth_limits: No Authority Rev limits data

SYS :2023/05/11 02:55:13.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:55:13.883:LOCATION:location_validate_best_on_route_sol: last DR time 1683773713.48 GPS time 1683773714.0

SYS :2023/05/11 02:55:13.883:LOCATION:dead_reckoner: DR position [NS:5620,9050:7184] overwritten with Abs pos[NS:5620,9050:7147] GPS time gap[-0.117000] GPS dist gap[-4.932252]

WARN:2023/05/11 02:55:13.883:LOCATION:dead_reckoner: GPS time gap[-0.117000] negative wrt current time

SYS :2023/05/11 02:55:14.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7141]

SYS :2023/05/11 02:55:14.057:FAULT_MGR:-----Periodic Log of Faults-----

SYS :2023/05/11 02:55:14.057:FAULT_MGR:-----Active Faults-----

```
SYS :2023/05/11 02:55:14.057:FAULT_MGR:-----Intermittent Active
Faults-----
SYS :2023/05/11 02:55:14.057:FAULT_MGR:-----Intermittent Clear
Faults-----
SYS :2023/05/11
02:55:14.057:FAULT_MGR:-----
CHR :2023/05/11
02:55:14.061:VETMS_CHM_RECORDER:2023/05/11|02:55:14.061|6|LOC|4|28.75|30|NS|5620|MAIN
1|YG74.1802|9050|7184|NS|5620|MAIN 1|YG76.5382|9053|3774|2|5|41.61
SYS :2023/05/11 02:55:14.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:14.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:14.915:LOCATION:location_validate_best_on_route_sol: last DR time
1683773714.48 GPS time 1683773715.0
SYS :2023/05/11 02:55:14.915:LOCATION:dead_reckoner: DR position [NS:5620,9050:7141] overwritten
with Abs pos[NS:5620,9050:7106] GPS time gap[-0.085000] GPS dist gap[-3.585045]
WARN:2023/05/11 02:55:14.916:LOCATION:dead_reckoner: GPS time gap[-0.085000] negative wrt
current time
SYS :2023/05/11 02:55:15.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7101]
CHR :2023/05/11
02:55:15.060:VETMS_CHM_RECORDER:2023/05/11|02:55:15.060|6|LOC|4|28.76|30|NS|5620|MAIN
1|YG74.1727|9050|7141|NS|5620|MAIN 1|YG76.5297|9053|3731|2|5|41.61
SYS :2023/05/11 02:55:15.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:15.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:15.627:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:15.627:VETMS_CHM_RECORDER:2023/05/11|02:55:15.627|22|EMF|3|5100|2
WARN:2023/05/11 02:55:15.674:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
SYS :2023/05/11 02:55:15.674:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-9026] ignoring updates.
CHR :2023/05/11 02:55:15.674:VETMS_CHM_RECORDER:2023/05/11|02:55:15.674|22|EMF|3|5100|2
WARN:2023/05/11 02:55:15.703:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:15.704:VETMS_CHM_RECORDER:2023/05/11|02:55:15.703|22|EMF|3|5100|2
SYS :2023/05/11 02:55:15.910:LOCATION:location_validate_best_on_route_sol: last DR time
1683773715.48 GPS time 1683773716.0
SYS :2023/05/11 02:55:15.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:7101] overwritten
with Abs pos[NS:5620,9050:7064] GPS time gap[-0.090000] GPS dist gap[-3.795930]
WARN:2023/05/11 02:55:15.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time
SYS :2023/05/11 02:55:16.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7059]
CHR :2023/05/11
02:55:16.063:VETMS_CHM_RECORDER:2023/05/11|02:55:16.063|6|LOC|4|28.76|30|NS|5620|MAIN
1|YG74.1658|9050|7101|NS|5620|MAIN 1|YG76.5217|9053|3691|2|5|41.61
SYS :2023/05/11 02:55:16.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:16.082:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
```

```
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:16.914:LOCATION:location_validate_best_on_route_sol: last DR time
1683773716.48 GPS time 1683773717.0
SYS :2023/05/11 02:55:16.915:LOCATION:dead_reckoner: DR position [NS:5620,9050:7059] overwritten
with Abs pos[NS:5620,9050:7022] GPS time gap[-0.086000] GPS dist gap[-3.627222]
WARN:2023/05/11 02:55:16.915:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt
current time
SYS :2023/05/11 02:55:17.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:7017]
CHR :2023/05/11
02:55:17.061:VETMS_CHM_RECORDER:2023/05/11|02:55:17.061|5|GPS|3|1|40:58.8043|N|80:23.5350|W|2|09|
1.1
CHR :2023/05/11
02:55:17.061:VETMS_CHM_RECORDER:2023/05/11|02:55:17.061|5|GPS|3|2|40:58.8031|N|80:23.5347|W|2|09|
1.1
CHR :2023/05/11
02:55:17.061:VETMS_CHM_RECORDER:2023/05/11|02:55:17.061|6|LOC|4|28.76|30|NS|5620|MAIN
1|YG74.1584|9050|7059|NS|5620|MAIN 1|YG76.5133|9053|3649|2|5|41.61
SYS :2023/05/11 02:55:17.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:17.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:17.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773717.48 GPS time 1683773718.0
SYS :2023/05/11 02:55:17.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:7017] overwritten
with Abs pos[NS:5620,9050:6980] GPS time gap[-0.099000] GPS dist gap[-4.173444]
WARN:2023/05/11 02:55:17.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:55:18.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6974]
CHR :2023/05/11
02:55:18.067:VETMS_CHM_RECORDER:2023/05/11|02:55:18.067|6|LOC|4|28.75|30|NS|5620|MAIN
1|YG74.1511|9050|7017|NS|5620|MAIN 1|YG76.5049|9053|3607|2|5|41.61
SYS :2023/05/11 02:55:18.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:18.078:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:18.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773718.54 GPS time 1683773719.0
SYS :2023/05/11 02:55:18.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:6974] overwritten
with Abs pos[NS:5620,9050:6938] GPS time gap[-0.089000] GPS dist gap[-3.750994]
WARN:2023/05/11 02:55:18.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:55:19.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6933]
SYS :2023/05/11 02:55:19.048:CAB_SIGNAL:cab_rb_cb_1hz: Status[1]
SYS :2023/05/11 02:55:19.048:CAB_SIGNAL:cab_ctni_cb_1hz: Status[1]
SYS :2023/05/11 02:55:19.048:CAB_SIGNAL:cab_se_cb_1hz: Status[1]
SYS :2023/05/11 02:55:19.048:CAB_SIGNAL:cab_cutout_1hz: Status[1]
CHR :2023/05/11
02:55:19.066:VETMS_CHM_RECORDER:2023/05/11|02:55:19.066|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.1436|9050|6974|NS|5620|MAIN 1|YG76.4963|9053|3564|2|5|41.61
SYS :2023/05/11 02:55:19.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:19.073:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:19.649:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
```

ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!
SYS :2023/05/11 02:55:19.649:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-9193] ignoring updates.
CHR :2023/05/11 02:55:19.650:VETMS_CHM_RECORDER:2023/05/11|02:55:19.649|22|EMF|3|5100|2
WARN:2023/05/11 02:55:19.779:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
WARN:2023/05/11 02:55:19.779:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-3] seconds!
CHR :2023/05/11 02:55:19.779:VETMS_CHM_RECORDER:2023/05/11|02:55:19.779|22|EMF|3|5100|2
CHR :2023/05/11 02:55:19.779:VETMS_CHM_RECORDER:2023/05/11|02:55:19.779|22|EMF|3|5100|2
SYS :2023/05/11 02:55:19.900:LOCATION:location_validate_best_on_route_sol: last DR time 1683773719.49 GPS time 1683773720.0
SYS :2023/05/11 02:55:19.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:6933] overwritten with Abs pos[NS:5620,9050:6896] GPS time gap[-0.100000] GPS dist gap[-4.215600]
WARN:2023/05/11 02:55:19.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt current time
WARN:2023/05/11 02:55:19.951:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
WARN:2023/05/11 02:55:19.951:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:55:19.951:VETMS_CHM_RECORDER:2023/05/11|02:55:19.951|22|EMF|3|5100|2
CHR :2023/05/11 02:55:19.951:VETMS_CHM_RECORDER:2023/05/11|02:55:19.951|22|EMF|3|5100|2
SYS :2023/05/11 02:55:20.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6890]
CHR :2023/05/11
02:55:20.062:VETMS_CHM_RECORDER:2023/05/11|02:55:20.062|6|LOC|4|28.75|30|NS|5620|MAIN
1|YG74.1365|9050|6933|NS|5620|MAIN 1|YG76.4881|9053|3523|2|5|41.61
SYS :2023/05/11 02:55:20.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:20.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:20.901:LOCATION:location_validate_best_on_route_sol: last DR time 1683773720.48 GPS time 1683773721.0
SYS :2023/05/11 02:55:20.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:6890] overwritten with Abs pos[NS:5620,9050:6855] GPS time gap[-0.099000] GPS dist gap[-4.173444]
WARN:2023/05/11 02:55:20.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt current time
SYS :2023/05/11 02:55:21.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6849]
CHR :2023/05/11
02:55:21.062:VETMS_CHM_RECORDER:2023/05/11|02:55:21.062|6|LOC|4|28.75|30|NS|5620|MAIN
1|YG74.1290|9050|6890|NS|5620|MAIN 1|YG76.4795|9053|3480|2|5|41.61
SYS :2023/05/11 02:55:21.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:21.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:21.909:LOCATION:location_validate_best_on_route_sol: last DR time 1683773721.49 GPS time 1683773722.0
SYS :2023/05/11 02:55:21.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:6849] overwritten with Abs pos[NS:5620,9050:6813] GPS time gap[-0.091000] GPS dist gap[-3.835286]
WARN:2023/05/11 02:55:21.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt

```
current time
SYS :2023/05/11 02:55:22.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6808]
CHR :2023/05/11
02:55:22.062:VETMS_CHM_RECORDER:2023/05/11|02:55:22.062|5|GPS|3|1|40:58.8307|N|80:23.5641|W|2|09|
1.1
CHR :2023/05/11
02:55:22.062:VETMS_CHM_RECORDER:2023/05/11|02:55:22.062|5|GPS|3|2|40:58.8300|N|80:23.5634|W|2|09|
1.1
CHR :2023/05/11
02:55:22.062:VETMS_CHM_RECORDER:2023/05/11|02:55:22.062|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.1219|9050|6849|NS|5620|MAIN 1|YG76.4713|9053|3439|2|5|41.61
SYS :2023/05/11 02:55:22.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:22.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:22.886:LOCATION:location_validate_best_on_route_sol: last DR time
1683773722.48 GPS time 1683773723.0
SYS :2023/05/11 02:55:22.887:LOCATION:dead_reckoner: DR position [NS:5620,9050:6808] overwritten
with Abs pos[NS:5620,9050:6771] GPS time gap[-0.114000] GPS dist gap[-4.806924]
WARN:2023/05/11 02:55:22.887:LOCATION:dead_reckoner: GPS time gap[-0.114000] negative wrt
current time
SYS :2023/05/11 02:55:23.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6765]
CHR :2023/05/11
02:55:23.061:VETMS_CHM_RECORDER:2023/05/11|02:55:23.061|6|LOC|4|28.76|30|NS|5620|MAIN
1|YG74.1147|9050|6808|NS|5620|MAIN 1|YG76.4632|9053|3398|2|5|41.61
SYS :2023/05/11 02:55:23.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:23.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:23.571:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:23.572:VETMS_CHM_RECORDER:2023/05/11|02:55:23.572|22|EMF|3|5100|2
WARN:2023/05/11 02:55:23.644:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:23.644:VETMS_CHM_RECORDER:2023/05/11|02:55:23.644|22|EMF|3|5100|2
WARN:2023/05/11 02:55:23.692:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:55:23.692:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-9359] ignoring updates.
WARN:2023/05/11 02:55:23.692:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:55:23.692:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-3] seconds!
CHR :2023/05/11 02:55:23.692:VETMS_CHM_RECORDER:2023/05/11|02:55:23.692|22|EMF|3|5100|2
CHR :2023/05/11 02:55:23.692:VETMS_CHM_RECORDER:2023/05/11|02:55:23.692|22|EMF|3|5100|2
CHR :2023/05/11 02:55:23.692:VETMS_CHM_RECORDER:2023/05/11|02:55:23.692|22|EMF|3|5100|2
SYS :2023/05/11 02:55:23.892:LOCATION:location_validate_best_on_route_sol: last DR time
1683773723.49 GPS time 1683773724.0
SYS :2023/05/11 02:55:23.892:LOCATION:dead_reckoner: DR position [NS:5620,9050:6765] overwritten
```

with Abs pos[NS:5620,9050:6729] GPS time gap[-0.108000] GPS dist gap[-4.552848]
WARN:2023/05/11 02:55:23.892:LOCATION:dead_reckoner: GPS time gap[-0.108000] negative wrt
current time
SYS :2023/05/11 02:55:24.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6723]
CHR :2023/05/11
02:55:24.062:VETMS_CHM_RECORDER:2023/05/11|02:55:24.062|6|LOC|4|28.75|30|NS|5620|MAIN
1|YG74.1073|9050|6765|NS|5620|MAIN 1|YG76.4546|9053|3355|2|5|41.61
SYS :2023/05/11 02:55:24.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:24.086:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:24.917:LOCATION:location_validate_best_on_route_sol: last DR time
1683773724.49 GPS time 1683773725.0
SYS :2023/05/11 02:55:24.917:LOCATION:dead_reckoner: DR position [NS:5620,9050:6723] overwritten
with Abs pos[NS:5620,9050:6687] GPS time gap[-0.083000] GPS dist gap[-3.497288]
WARN:2023/05/11 02:55:24.917:LOCATION:dead_reckoner: GPS time gap[-0.083000] negative wrt
current time
SYS :2023/05/11 02:55:25.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6682]
CHR :2023/05/11
02:55:25.062:VETMS_CHM_RECORDER:2023/05/11|02:55:25.062|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.0999|9050|6723|NS|5620|MAIN 1|YG76.4462|9053|3313|2|5|41.61
SYS :2023/05/11 02:55:25.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:25.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ERR :2023/05/11 02:55:25.806:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:55:25.906:LOCATION:location_validate_best_on_route_sol: last DR time
1683773725.49 GPS time 1683773726.0
SYS :2023/05/11 02:55:25.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:6682] overwritten
with Abs pos[NS:5620,9050:6645] GPS time gap[-0.093000] GPS dist gap[-3.918648]
WARN:2023/05/11 02:55:25.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt
current time
SYS :2023/05/11 02:55:26.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6640]
CHR :2023/05/11
02:55:26.061:VETMS_CHM_RECORDER:2023/05/11|02:55:26.061|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.0928|9050|6682|NS|5620|MAIN 1|YG76.4380|9053|3272|2|5|41.61
SYS :2023/05/11 02:55:26.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:26.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:26.912:LOCATION:location_validate_best_on_route_sol: last DR time
1683773726.49 GPS time 1683773727.0
SYS :2023/05/11 02:55:26.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:6640] overwritten
with Abs pos[NS:5620,9050:6603] GPS time gap[-0.088000] GPS dist gap[-3.707968]
WARN:2023/05/11 02:55:26.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt
current time
SYS :2023/05/11 02:55:27.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6598]
CHR :2023/05/11
02:55:27.060:VETMS_CHM_RECORDER:2023/05/11|02:55:27.060|5|GPS|3|1|40:58.8572|N|80:23.5933|W|2|09|
1.1
CHR :2023/05/11
02:55:27.060:VETMS_CHM_RECORDER:2023/05/11|02:55:27.060|5|GPS|3|2|40:58.8560|N|80:23.5927|W|2|09|
1.1
SYS :2023/05/11 02:55:27.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested

```
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:55:27.060:VETMS_CHM_RECORDER:2023/05/11|02:55:27.060|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.0855|9050|6640|NS|5620|MAIN 1|YG76.4296|9053|3230|2|5|41.61
SYS :2023/05/11 02:55:27.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:27.654:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-9527] ignoring updates.
WARN:2023/05/11 02:55:27.695:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:55:27.695:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:55:27.695:VETMS_CHM_RECORDER:2023/05/11|02:55:27.695|22|EMF|3|5100|2
CHR :2023/05/11 02:55:27.695:VETMS_CHM_RECORDER:2023/05/11|02:55:27.695|22|EMF|3|5100|2
WARN:2023/05/11 02:55:27.742:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:55:27.742:VETMS_CHM_RECORDER:2023/05/11|02:55:27.742|22|EMF|3|5100|2
WARN:2023/05/11 02:55:27.896:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:27.896:VETMS_CHM_RECORDER:2023/05/11|02:55:27.896|22|EMF|3|5100|2
SYS :2023/05/11 02:55:27.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773727.49 GPS time 1683773728.0
SYS :2023/05/11 02:55:27.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:6598] overwritten
with Abs pos[NS:5620,9050:6562] GPS time gap[-0.089000] GPS dist gap[-3.750994]
WARN:2023/05/11 02:55:27.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:55:28.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6556]
CHR :2023/05/11
02:55:28.067:VETMS_CHM_RECORDER:2023/05/11|02:55:28.067|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.0782|9050|6598|NS|5620|MAIN 1|YG76.4212|9053|3188|2|5|41.61
SYS :2023/05/11 02:55:28.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:28.077:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:28.896:LOCATION:location_validate_best_on_route_sol: last DR time
1683773728.54 GPS time 1683773729.0
SYS :2023/05/11 02:55:28.896:LOCATION:dead_reckoner: DR position [NS:5620,9050:6556] overwritten
with Abs pos[NS:5620,9050:6519] GPS time gap[-0.104000] GPS dist gap[-4.382144]
WARN:2023/05/11 02:55:28.896:LOCATION:dead_reckoner: GPS time gap[-0.104000] negative wrt
current time
SYS :2023/05/11 02:55:29.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6513]
CHR :2023/05/11
02:55:29.062:VETMS_CHM_RECORDER:2023/05/11|02:55:29.062|6|LOC|4|28.74|30|NS|5620|MAIN
1|YG74.0709|9050|6556|NS|5620|MAIN 1|YG76.4128|9053|3146|2|5|41.61
SYS :2023/05/11 02:55:29.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:29.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:29.894:LOCATION:location_validate_best_on_route_sol: last DR time
1683773729.49 GPS time 1683773730.0
```

SYS :2023/05/11 02:55:29.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:6513] overwritten with Abs pos[NS:5620,9050:6478] GPS time gap[-0.106000] GPS dist gap[-4.465356]
WARN:2023/05/11 02:55:29.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt current time
SYS :2023/05/11 02:55:30.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6472]
CHR :2023/05/11
02:55:30.070:VETMS_CHM_RECORDER:2023/05/11|02:55:30.070|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.0634|9050|6513|NS|5620|MAIN 1|YG76.4042|9053|3103|2|5|41.61
SYS :2023/05/11 02:55:30.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:30.088:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:30.091:ENFORCEMENT:,SPD,28.7,mph,LL:MP,74.0533, NS, 5620, 9050, 6455,TL,MP,76.3994, NS, 5620, 9053, 3079,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM State,0,TN,004,TE,00200,DBON,0,DBE,00293,PCS,0,STS,00,GRD, 0.04%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0071544,LRF,-0001612,L BF,+0000000,CRF,-0047272,CBF,+0000000,GF,-0018154,CF,-0006626,
SYS :2023/05/11
02:55:30.091:ENFORCEMENT:,PA,-0.00120,*,AA,-0.00690,TTE,***,DTE,***,TD,***,ECL,01413,ECT,48,EMS,2 8.7,BCL,02582,BCT,76,BMS,28.7,PCL,01852,PCT,46,WCL,02587,WCT,76,WMS,28.7,SFO,0308,
SYS :2023/05/11 02:55:30.917:LOCATION:location_validate_best_on_route_sol: last DR time 1683773730.50 GPS time 1683773731.0
SYS :2023/05/11 02:55:30.917:LOCATION:dead_reckoner: DR position [NS:5620,9050:6472] overwritten with Abs pos[NS:5620,9050:6436] GPS time gap[-0.083000] GPS dist gap[-3.496458]
WARN:2023/05/11 02:55:30.917:LOCATION:dead_reckoner: GPS time gap[-0.083000] negative wrt current time
SYS :2023/05/11 02:55:31.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6431]
CHR :2023/05/11
02:55:31.063:VETMS_CHM_RECORDER:2023/05/11|02:55:31.063|6|LOC|4|28.73|30|NS|5620|MAIN
1|YG74.0562|9050|6472|NS|5620|MAIN 1|YG76.3960|9053|3062|2|5|41.61
SYS :2023/05/11 02:55:31.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:31.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:31.683:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
SYS :2023/05/11 02:55:31.684:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-9695] ignoring updates.
WARN:2023/05/11 02:55:31.684:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:55:31.684:VETMS_CHM_RECORDER:2023/05/11|02:55:31.684|22|EMF|3|5100|2
CHR :2023/05/11 02:55:31.684:VETMS_CHM_RECORDER:2023/05/11|02:55:31.684|22|EMF|3|5100|2
WARN:2023/05/11 02:55:31.710:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:55:31.711:VETMS_CHM_RECORDER:2023/05/11|02:55:31.710|22|EMF|3|5100|2
WARN:2023/05/11 02:55:31.818:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:55:31.818:VETMS_CHM_RECORDER:2023/05/11|02:55:31.818|22|EMF|3|5100|2
SYS :2023/05/11 02:55:31.894:LOCATION:location_validate_best_on_route_sol: last DR time

1683773731.49 GPS time 1683773732.0
SYS :2023/05/11 02:55:31.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:6431] overwritten with Abs pos[NS:5620,9050:6394] GPS time gap[-0.106000] GPS dist gap[-4.463236]
WARN:2023/05/11 02:55:31.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt current time
SYS :2023/05/11 02:55:32.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6388]
CHR :2023/05/11
02:55:32.063:VETMS_CHM_RECORDER:2023/05/11|02:55:32.063|5|GPS|3|1|40:58.8837|N|80:23.6225|W|2|09|1.1
CHR :2023/05/11
02:55:32.063:VETMS_CHM_RECORDER:2023/05/11|02:55:32.063|5|GPS|3|2|40:58.8827|N|80:23.6211|W|2|09|1.1
CHR :2023/05/11
02:55:32.063:VETMS_CHM_RECORDER:2023/05/11|02:55:32.063|6|LOC|4|28.71|30|NS|5620|MAIN 1|YG74.0491|9050|6431|NS|5620|MAIN 1|YG76.3879|9053|3021|2|5|41.61
SYS :2023/05/11 02:55:32.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:32.087:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:32.905:LOCATION:location_validate_best_on_route_sol: last DR time 1683773732.49 GPS time 1683773733.0
SYS :2023/05/11 02:55:32.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:6388] overwritten with Abs pos[NS:5620,9050:6352] GPS time gap[-0.095000] GPS dist gap[-3.997125]
WARN:2023/05/11 02:55:32.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt current time
SYS :2023/05/11 02:55:33.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6346]
CHR :2023/05/11
02:55:33.061:VETMS_CHM_RECORDER:2023/05/11|02:55:33.061|6|LOC|4|28.69|30|NS|5620|MAIN 1|YG74.0416|9050|6388|NS|5620|MAIN 1|YG76.3793|9053|2978|2|5|41.61
SYS :2023/05/11 02:55:33.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:33.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:33.909:LOCATION:location_validate_best_on_route_sol: last DR time 1683773733.49 GPS time 1683773734.0
SYS :2023/05/11 02:55:33.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:6346] overwritten with Abs pos[NS:5620,9050:6310] GPS time gap[-0.091000] GPS dist gap[-3.827915]
WARN:2023/05/11 02:55:33.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt current time
SYS :2023/05/11 02:55:34.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6305]
CHR :2023/05/11
02:55:34.061:VETMS_CHM_RECORDER:2023/05/11|02:55:34.061|6|LOC|4|28.69|30|NS|5620|MAIN 1|YG74.0343|9050|6346|NS|5620|MAIN 1|YG76.3709|9053|2936|2|5|41.61
SYS :2023/05/11 02:55:34.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:34.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:34.945:LOCATION:location_validate_best_on_route_sol: last DR time 1683773734.49 GPS time 1683773735.0
SYS :2023/05/11 02:55:34.945:LOCATION:dead_reckoner: DR position [NS:5620,9050:6305] overwritten with Abs pos[NS:5620,9050:6268] GPS time gap[-0.055000] GPS dist gap[-2.313575]
WARN:2023/05/11 02:55:34.945:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt current time
SYS :2023/05/11 02:55:35.048:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6264]

CHR :2023/05/11
02:55:35.060:VETMS_CHM_RECORDER:2023/05/11|02:55:35.060|6|LOC|4|28.69|30|NS|5620|MAIN
1|YG74.0272|9050|6305|NS|5620|MAIN 1|YG76.3627|9053|2895|2|5|41.61
SYS :2023/05/11 02:55:35.057:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:35.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:35.600:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:35.600:VETMS_CHM_RECORDER:2023/05/11|02:55:35.600|22|EMF|3|5100|2
WARN:2023/05/11 02:55:35.718:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:55:35.718:VETMS_CHM_RECORDER:2023/05/11|02:55:35.718|22|EMF|3|5100|2
SYS :2023/05/11 02:55:35.742:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-9862] ignoring updates.
WARN:2023/05/11 02:55:35.742:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:55:35.743:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-3] seconds!
CHR :2023/05/11 02:55:35.743:VETMS_CHM_RECORDER:2023/05/11|02:55:35.743|22|EMF|3|5100|2
CHR :2023/05/11 02:55:35.743:VETMS_CHM_RECORDER:2023/05/11|02:55:35.743|22|EMF|3|5100|2
SYS :2023/05/11 02:55:35.900:LOCATION:location_validate_best_on_route_sol: last DR time
1683773735.48 GPS time 1683773736.0
SYS :2023/05/11 02:55:35.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:6264] overwritten
with Abs pos[NS:5620,9050:6227] GPS time gap[-0.100000] GPS dist gap[-4.202500]
WARN:2023/05/11 02:55:35.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt
current time
SYS :2023/05/11 02:55:36.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6221]
CHR :2023/05/11
02:55:36.062:VETMS_CHM_RECORDER:2023/05/11|02:55:36.062|6|LOC|4|28.66|30|NS|5620|MAIN
1|YG74.0200|9050|6264|NS|5620|MAIN 1|YG76.3545|9053|2854|2|5|41.61
SYS :2023/05/11 02:55:36.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:36.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:36.914:LOCATION:location_validate_best_on_route_sol: last DR time
1683773736.49 GPS time 1683773737.0
SYS :2023/05/11 02:55:36.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:6221] overwritten
with Abs pos[NS:5620,9050:6185] GPS time gap[-0.086000] GPS dist gap[-3.611570]
WARN:2023/05/11 02:55:36.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt
current time
SYS :2023/05/11 02:55:37.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6180]
CHR :2023/05/11
02:55:37.063:VETMS_CHM_RECORDER:2023/05/11|02:55:37.062|5|GPS|3|1|40:58.9101|N|80:23.6515|W|2|09|
1.1
CHR :2023/05/11
02:55:37.063:VETMS_CHM_RECORDER:2023/05/11|02:55:37.063|5|GPS|3|2|40:58.9089|N|80:23.6507|W|2|09|
1.1
SYS :2023/05/11 02:55:37.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

CHR :2023/05/11
02:55:37.063:VETMS_CHM_RECORDER:2023/05/11|02:55:37.063|6|LOC|4|28.64|30|NS|5620|MAIN
1|YG74.0125|9050|6221|NS|5620|MAIN 1|YG76.3459|9053|2811|2|5|41.61
SYS :2023/05/11 02:55:37.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:37.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773737.49 GPS time 1683773738.0
SYS :2023/05/11 02:55:37.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:6180] overwritten
with Abs pos[NS:5620,9050:6144] GPS time gap[-0.099000] GPS dist gap[-4.151466]
WARN:2023/05/11 02:55:37.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:55:38.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6138]
CHR :2023/05/11
02:55:38.068:VETMS_CHM_RECORDER:2023/05/11|02:55:38.068|6|LOC|4|28.60|30|NS|5620|MAIN
1|YG74.0054|9050|6180|NS|5620|MAIN 1|YG76.3377|9053|2770|2|5|41.61
SYS :2023/05/11 02:55:38.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:38.074:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:38.895:LOCATION:location_validate_best_on_route_sol: last DR time
1683773738.54 GPS time 1683773739.0
SYS :2023/05/11 02:55:38.895:LOCATION:dead_reckoner: DR position [NS:5620,9050:6138] overwritten
with Abs pos[NS:5620,9050:6102] GPS time gap[-0.105000] GPS dist gap[-4.398870]
WARN:2023/05/11 02:55:38.895:LOCATION:dead_reckoner: GPS time gap[-0.105000] negative wrt
current time
SYS :2023/05/11 02:55:39.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6096]
CHR :2023/05/11
02:55:39.061:VETMS_CHM_RECORDER:2023/05/11|02:55:39.061|6|LOC|4|28.57|30|NS|5620|MAIN
1|YG73.9978|9050|6138|NS|5620|MAIN 1|YG76.3293|9053|2728|2|5|41.61
SYS :2023/05/11 02:55:39.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:39.068:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:39.461:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-10029] ignoring updates.
WARN:2023/05/11 02:55:39.564:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:39.564:VETMS_CHM_RECORDER:2023/05/11|02:55:39.564|22|EMF|3|5100|2
SYS :2023/05/11 02:55:39.686:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-10029] ignoring updates.
WARN:2023/05/11 02:55:39.686:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:39.686:VETMS_CHM_RECORDER:2023/05/11|02:55:39.686|22|EMF|3|5100|2
WARN:2023/05/11 02:55:39.710:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:39.710:VETMS_CHM_RECORDER:2023/05/11|02:55:39.710|22|EMF|3|5100|2
WARN:2023/05/11 02:55:39.864:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:55:39.864:VETMS_CHM_RECORDER:2023/05/11|02:55:39.864|22|EMF|3|5100|2
SYS :2023/05/11 02:55:39.905:LOCATION:location_validate_best_on_route_sol: last DR time

1683773739.49 GPS time 1683773740.0
SYS :2023/05/11 02:55:39.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:6096] overwritten with Abs pos[NS:5620,9050:6060] GPS time gap[-0.095000] GPS dist gap[-3.975085]
WARN:2023/05/11 02:55:39.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt current time
SYS :2023/05/11 02:55:40.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6054]
CHR :2023/05/11
02:55:40.063:VETMS_CHM_RECORDER:2023/05/11|02:55:40.063|6|LOC|4|28.54|30|NS|5620|MAIN 1|YG73.9895|9050|6096|NS|5620|MAIN 1|YG76.3210|9053|2686|2|5|41.61
SYS :2023/05/11 02:55:40.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:40.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:40.930:LOCATION:location_validate_best_on_route_sol: last DR time 1683773740.49 GPS time 1683773741.0
SYS :2023/05/11 02:55:40.930:LOCATION:dead_reckoner: DR position [NS:5620,9050:6054] overwritten with Abs pos[NS:5620,9050:6019] GPS time gap[-0.070000] GPS dist gap[-2.925440]
WARN:2023/05/11 02:55:40.930:LOCATION:dead_reckoner: GPS time gap[-0.070000] negative wrt current time
SYS :2023/05/11 02:55:41.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:6015]
CHR :2023/05/11
02:55:41.066:VETMS_CHM_RECORDER:2023/05/11|02:55:41.066|6|LOC|4|28.50|30|NS|5620|MAIN 1|YG73.9811|9050|6054|NS|5620|MAIN 1|YG76.3126|9053|2644|2|5|41.61
SYS :2023/05/11 02:55:41.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:41.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:41.894:LOCATION:location_validate_best_on_route_sol: last DR time 1683773741.49 GPS time 1683773742.0
SYS :2023/05/11 02:55:41.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:6015] overwritten with Abs pos[NS:5620,9050:5978] GPS time gap[-0.106000] GPS dist gap[-4.426772]
WARN:2023/05/11 02:55:41.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt current time
SYS :2023/05/11 02:55:42.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5972]
CHR :2023/05/11
02:55:42.060:VETMS_CHM_RECORDER:2023/05/11|02:55:42.060|5|GPS|3|1|40:58.9363|N|80:23.6802|W|2|09|1.1
CHR :2023/05/11
02:55:42.060:VETMS_CHM_RECORDER:2023/05/11|02:55:42.060|5|GPS|3|2|40:58.9350|N|80:23.6798|W|2|09|1.1
CHR :2023/05/11
02:55:42.060:VETMS_CHM_RECORDER:2023/05/11|02:55:42.060|6|LOC|4|28.48|30|NS|5620|MAIN 1|YG73.9733|9050|6015|NS|5620|MAIN 1|YG76.3048|9053|2605|2|5|41.61
SYS :2023/05/11 02:55:42.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:42.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:42.937:LOCATION:location_validate_best_on_route_sol: last DR time 1683773742.49 GPS time 1683773743.0
SYS :2023/05/11 02:55:42.937:LOCATION:dead_reckoner: DR position [NS:5620,9050:5972] overwritten with Abs pos[NS:5620,9050:5936] GPS time gap[-0.063000] GPS dist gap[-2.629746]
WARN:2023/05/11 02:55:42.937:LOCATION:dead_reckoner: GPS time gap[-0.063000] negative wrt current time
SYS :2023/05/11 02:55:43.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5932]

CHR :2023/05/11
02:55:43.061:VETMS_CHM_RECORDER:2023/05/11|02:55:43.061|6|LOC|4|28.47|30|NS|5620|MAIN
1|YG73.9648|9050|5972|NS|5620|MAIN 1|YG76.2962|9053|2562|2|5|41.61
SYS :2023/05/11 02:55:43.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:43.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:43.437:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:43.438:VETMS_CHM_RECORDER:2023/05/11|02:55:43.438|22|EMF|3|5100|2
WARN:2023/05/11 02:55:43.714:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:55:43.714:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-10195] ignoring updates.
WARN:2023/05/11 02:55:43.714:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:43.714:VETMS_CHM_RECORDER:2023/05/11|02:55:43.714|22|EMF|3|5100|2
CHR :2023/05/11 02:55:43.714:VETMS_CHM_RECORDER:2023/05/11|02:55:43.714|22|EMF|3|5100|2
WARN:2023/05/11 02:55:43.738:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-5] seconds!
CHR :2023/05/11 02:55:43.738:VETMS_CHM_RECORDER:2023/05/11|02:55:43.738|22|EMF|3|5100|2
SYS :2023/05/11 02:55:43.886:LOCATION:location_validate_best_on_route_sol: last DR time
1683773743.49 GPS time 1683773744.0
SYS :2023/05/11 02:55:43.886:LOCATION:dead_reckoner: DR position [NS:5620,9050:5932] overwritten
with Abs pos[NS:5620,9050:5895] GPS time gap[-0.114000] GPS dist gap[-4.755168]
WARN:2023/05/11 02:55:43.886:LOCATION:dead_reckoner: GPS time gap[-0.114000] negative wrt
current time
SYS :2023/05/11 02:55:44.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5889]
CHR :2023/05/11
02:55:44.061:VETMS_CHM_RECORDER:2023/05/11|02:55:44.061|6|LOC|4|28.45|30|NS|5620|MAIN
1|YG73.9568|9050|5932|NS|5620|MAIN 1|YG76.2882|9053|2522|2|5|41.61
SYS :2023/05/11 02:55:44.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:44.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:44.899:LOCATION:location_validate_best_on_route_sol: last DR time
1683773744.49 GPS time 1683773745.0
SYS :2023/05/11 02:55:44.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:5889] overwritten
with Abs pos[NS:5620,9050:5854] GPS time gap[-0.101000] GPS dist gap[-4.211801]
WARN:2023/05/11 02:55:44.899:LOCATION:dead_reckoner: GPS time gap[-0.101000] negative wrt
current time
SYS :2023/05/11 02:55:45.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5848]
CHR :2023/05/11
02:55:45.060:VETMS_CHM_RECORDER:2023/05/11|02:55:45.060|6|LOC|4|28.44|30|NS|5620|MAIN
1|YG73.9483|9050|5889|NS|5620|MAIN 1|YG76.2796|9053|2479|2|5|41.61
SYS :2023/05/11 02:55:45.058:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:45.067:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:45.900:LOCATION:location_validate_best_on_route_sol: last DR time

1683773745.49 GPS time 1683773746.0
SYS :2023/05/11 02:55:45.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:5848] overwritten with Abs pos[NS:5620,9050:5813] GPS time gap[-0.100000] GPS dist gap[-4.166100]
WARN:2023/05/11 02:55:45.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt current time
SYS :2023/05/11 02:55:46.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5807]
CHR :2023/05/11
02:55:46.062:VETMS_CHM_RECORDER:2023/05/11|02:55:46.062|6|LOC|4|28.41|30|NS|5620|MAIN
1|YG73.9401|9050|5848|NS|5620|MAIN 1|YG76.2714|9053|2438|2|5|41.61
SYS :2023/05/11 02:55:46.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:46.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:46.910:LOCATION:location_validate_best_on_route_sol: last DR time 1683773746.49 GPS time 1683773747.0
SYS :2023/05/11 02:55:46.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:5807] overwritten with Abs pos[NS:5620,9050:5772] GPS time gap[-0.089000] GPS dist gap[-3.705159]
WARN:2023/05/11 02:55:46.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt current time
SYS :2023/05/11 02:55:47.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5767]
CHR :2023/05/11
02:55:47.060:VETMS_CHM_RECORDER:2023/05/11|02:55:47.060|5|GPS|3|1|40:58.9624|N|80:23.7087|W|2|09|1.1
CHR :2023/05/11
02:55:47.060:VETMS_CHM_RECORDER:2023/05/11|02:55:47.060|5|GPS|3|2|40:58.9611|N|80:23.7087|W|2|09|1.1
CHR :2023/05/11
02:55:47.060:VETMS_CHM_RECORDER:2023/05/11|02:55:47.060|6|LOC|4|28.39|30|NS|5620|MAIN
1|YG73.9319|9050|5807|NS|5620|MAIN 1|YG76.2632|9053|2397|2|5|41.61
SYS :2023/05/11 02:55:47.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:47.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:47.690:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-10360] ignoring updates.
WARN:2023/05/11 02:55:47.690:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
WARN:2023/05/11 02:55:47.690:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-1] seconds!
WARN:2023/05/11 02:55:47.690:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-3] seconds!
CHR :2023/05/11 02:55:47.690:VETMS_CHM_RECORDER:2023/05/11|02:55:47.690|22|EMF|3|5100|2
CHR :2023/05/11 02:55:47.690:VETMS_CHM_RECORDER:2023/05/11|02:55:47.690|22|EMF|3|5100|2
CHR :2023/05/11 02:55:47.691:VETMS_CHM_RECORDER:2023/05/11|02:55:47.691|22|EMF|3|5100|2
WARN:2023/05/11 02:55:47.741:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!
WARN:2023/05/11 02:55:47.741:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:55:47.741:VETMS_CHM_RECORDER:2023/05/11|02:55:47.741|22|EMF|3|5100|2

CHR :2023/05/11 02:55:47.741:VETMS_CHM_RECORDER:2023/05/11|02:55:47.741|22|EMF|3|5100|2
SYS :2023/05/11 02:55:47.890:LOCATION:location_validate_best_on_route_sol: last DR time
1683773747.49 GPS time 1683773748.0
SYS :2023/05/11 02:55:47.890:LOCATION:dead_reckoner: DR position [NS:5620,9050:5767] overwritten
with Abs pos[NS:5620,9050:5731] GPS time gap[-0.110000] GPS dist gap[-4.578310]
WARN:2023/05/11 02:55:47.890:LOCATION:dead_reckoner: GPS time gap[-0.110000] negative wrt
current time
SYS :2023/05/11 02:55:48.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5725]
CHR :2023/05/11
02:55:48.067:VETMS_CHM_RECORDER:2023/05/11|02:55:48.067|6|LOC|4|28.38|30|NS|5620|MAIN
1|YG73.9240|9050|5767|NS|5620|MAIN 1|YG76.2552|9053|2357|2|5|41.61
SYS :2023/05/11 02:55:48.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:48.090:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:48.905:LOCATION:location_validate_best_on_route_sol: last DR time
1683773748.55 GPS time 1683773749.0
SYS :2023/05/11 02:55:48.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:5725] overwritten
with Abs pos[NS:5620,9050:5691] GPS time gap[-0.095000] GPS dist gap[-3.952000]
WARN:2023/05/11 02:55:48.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt
current time
SYS :2023/05/11 02:55:49.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5686]
CHR :2023/05/11
02:55:49.063:VETMS_CHM_RECORDER:2023/05/11|02:55:49.063|6|LOC|4|28.37|30|NS|5620|MAIN
1|YG73.9156|9050|5725|NS|5620|MAIN 1|YG76.2469|9053|2315|2|5|41.61
SYS :2023/05/11 02:55:49.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:49.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:49.934:LOCATION:location_validate_best_on_route_sol: last DR time
1683773749.49 GPS time 1683773750.0
SYS :2023/05/11 02:55:49.934:LOCATION:dead_reckoner: DR position [NS:5620,9050:5686] overwritten
with Abs pos[NS:5620,9050:5650] GPS time gap[-0.066000] GPS dist gap[-2.744280]
WARN:2023/05/11 02:55:49.934:LOCATION:dead_reckoner: GPS time gap[-0.066000] negative wrt
current time
SYS :2023/05/11 02:55:50.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5646]
CHR :2023/05/11
02:55:50.062:VETMS_CHM_RECORDER:2023/05/11|02:55:50.062|6|LOC|4|28.36|30|NS|5620|MAIN
1|YG73.9078|9050|5686|NS|5620|MAIN 1|YG76.2391|9053|2276|2|5|41.61
SYS :2023/05/11 02:55:50.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:50.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:50.929:LOCATION:location_validate_best_on_route_sol: last DR time
1683773750.50 GPS time 1683773751.0
SYS :2023/05/11 02:55:50.929:LOCATION:dead_reckoner: DR position [NS:5620,9050:5646] overwritten
with Abs pos[NS:5620,9050:5610] GPS time gap[-0.071000] GPS dist gap[-2.950760]
WARN:2023/05/11 02:55:50.929:LOCATION:dead_reckoner: GPS time gap[-0.071000] negative wrt
current time
SYS :2023/05/11 02:55:51.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5605]
CHR :2023/05/11
02:55:51.063:VETMS_CHM_RECORDER:2023/05/11|02:55:51.063|6|LOC|4|28.34|30|NS|5620|MAIN
1|YG73.8999|9050|5646|NS|5620|MAIN 1|YG76.2311|9053|2236|2|5|41.61
SYS :2023/05/11 02:55:51.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested

```
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:51.074:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:51.625:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
WARN:2023/05/11 02:55:51.625:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:51.625:VETMS_CHM_RECORDER:2023/05/11|02:55:51.625|22|EMF|3|5100|2
CHR :2023/05/11 02:55:51.625:VETMS_CHM_RECORDER:2023/05/11|02:55:51.625|22|EMF|3|5100|2
SYS :2023/05/11 02:55:51.630:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-10521] ignoring updates.
WARN:2023/05/11 02:55:51.630:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:55:51.630:VETMS_CHM_RECORDER:2023/05/11|02:55:51.630|22|EMF|3|5100|2
WARN:2023/05/11 02:55:51.706:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-2] seconds!
CHR :2023/05/11 02:55:51.706:VETMS_CHM_RECORDER:2023/05/11|02:55:51.706|22|EMF|3|5100|2
WARN:2023/05/11 02:55:51.831:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-1] seconds!
CHR :2023/05/11 02:55:51.831:VETMS_CHM_RECORDER:2023/05/11|02:55:51.831|22|EMF|3|5100|2
SYS :2023/05/11 02:55:51.881:LOCATION:location_validate_best_on_route_sol: last DR time
1683773751.50 GPS time 1683773752.0
SYS :2023/05/11 02:55:51.881:LOCATION:dead_reckoner: DR position [NS:5620,9050:5605] overwritten
with Abs pos[NS:5620,9050:5570] GPS time gap[-0.119000] GPS dist gap[-4.944450]
WARN:2023/05/11 02:55:51.881:LOCATION:dead_reckoner: GPS time gap[-0.119000] negative wrt
current time
SYS :2023/05/11 02:55:52.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5563]
CHR :2023/05/11
02:55:52.065:VETMS_CHM_RECORDER:2023/05/11|02:55:52.065|5|GPS|3|1|40:58.9883|N|80:23.7365|W|2|09|
1.1
CHR :2023/05/11
02:55:52.065:VETMS_CHM_RECORDER:2023/05/11|02:55:52.065|5|GPS|3|2|40:58.9874|N|80:23.7372|W|2|08|
1.2
CHR :2023/05/11
02:55:52.065:VETMS_CHM_RECORDER:2023/05/11|02:55:52.065|6|LOC|4|28.34|30|NS|5620|MAIN
1|YG73.8917|9050|5605|NS|5620|MAIN 1|YG76.2229|9053|2195|2|5|41.61
SYS :2023/05/11 02:55:52.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:52.077:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:52.892:LOCATION:location_validate_best_on_route_sol: last DR time
1683773752.50 GPS time 1683773753.0
SYS :2023/05/11 02:55:52.892:LOCATION:dead_reckoner: DR position [NS:5620,9050:5563] overwritten
with Abs pos[NS:5620,9050:5527] GPS time gap[-0.108000] GPS dist gap[-4.484160]
WARN:2023/05/11 02:55:52.892:LOCATION:dead_reckoner: GPS time gap[-0.108000] negative wrt
current time
SYS :2023/05/11 02:55:53.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5521]
CHR :2023/05/11
02:55:53.062:VETMS_CHM_RECORDER:2023/05/11|02:55:53.061|6|LOC|4|28.32|30|NS|5620|MAIN
```

1|YG73.8834|9050|5563|NS|5620|MAIN 1|YG76.2145|9053|2153|2|5|41.61
SYS :2023/05/11 02:55:53.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:53.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:53.893:LOCATION:location_validate_best_on_route_sol: last DR time
1683773753.50 GPS time 1683773754.0
SYS :2023/05/11 02:55:53.893:LOCATION:dead_reckoner: DR position [NS:5620,9050:5521] overwritten
with Abs pos[NS:5620,9050:5486] GPS time gap[-0.107000] GPS dist gap[-4.440393]
WARN:2023/05/11 02:55:53.893:LOCATION:dead_reckoner: GPS time gap[-0.107000] negative wrt
current time
SYS :2023/05/11 02:55:54.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5480]
CHR :2023/05/11
02:55:54.062:VETMS_CHM_RECORDER:2023/05/11|02:55:54.062|6|LOC|4|28.30|30|NS|5620|MAIN
1|YG73.8750|9050|5521|NS|5620|MAIN 1|YG76.2061|9053|2111|2|5|41.61
SYS :2023/05/11 02:55:54.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:54.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:54.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773754.50 GPS time 1683773755.0
SYS :2023/05/11 02:55:54.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:5480] overwritten
with Abs pos[NS:5620,9050:5445] GPS time gap[-0.079000] GPS dist gap[-3.278421]
WARN:2023/05/11 02:55:54.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt
current time
SYS :2023/05/11 02:55:55.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5440]
CHR :2023/05/11
02:55:55.063:VETMS_CHM_RECORDER:2023/05/11|02:55:55.063|6|LOC|4|28.30|30|NS|5620|MAIN
1|YG73.8668|9050|5480|NS|5620|MAIN 1|YG76.1979|9053|2070|2|5|41.61
SYS :2023/05/11 02:55:55.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:55.073:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:55:55.511:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:55.511:VETMS_CHM_RECORDER:2023/05/11|02:55:55.511|22|EMF|3|5100|2
WARN:2023/05/11 02:55:55.653:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:55:55.653:VETMS_CHM_RECORDER:2023/05/11|02:55:55.653|22|EMF|3|5100|2
SYS :2023/05/11 02:55:55.690:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-10687] ignoring updates.
WARN:2023/05/11 02:55:55.714:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:55:55.714:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
WARN:2023/05/11 02:55:55.714:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:55:55.714:VETMS_CHM_RECORDER:2023/05/11|02:55:55.714|22|EMF|3|5100|2
CHR :2023/05/11 02:55:55.714:VETMS_CHM_RECORDER:2023/05/11|02:55:55.714|22|EMF|3|5100|2

CHR :2023/05/11 02:55:55.714:VETMS_CHM_RECORDER:2023/05/11|02:55:55.714|22|EMF|3|5100|2
ERR :2023/05/11 02:55:55.864:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:55:55.900:LOCATION:location_validate_best_on_route_sol: last DR time
1683773755.50 GPS time 1683773756.0
SYS :2023/05/11 02:55:55.900:LOCATION:dead_reckoner: DR position [NS:5620,9050:5440] overwritten
with Abs pos[NS:5620,9050:5405] GPS time gap[-0.100000] GPS dist gap[-4.146900]
WARN:2023/05/11 02:55:55.900:LOCATION:dead_reckoner: GPS time gap[-0.100000] negative wrt
current time
SYS :2023/05/11 02:55:56.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5399]
CHR :2023/05/11
02:55:56.063:VETMS_CHM_RECORDER:2023/05/11|02:55:56.063|6|LOC|4|28.28|30|NS|5620|MAIN
1|YG73.8589|9050|5440|NS|5620|MAIN 1|YG76.1899|9053|2030|2|5|41.61
SYS :2023/05/11 02:55:56.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:56.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:56.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773756.50 GPS time 1683773757.0
SYS :2023/05/11 02:55:56.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:5399] overwritten
with Abs pos[NS:5620,9050:5364] GPS time gap[-0.097000] GPS dist gap[-4.020553]
WARN:2023/05/11 02:55:56.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
SYS :2023/05/11 02:55:57.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5358]
CHR :2023/05/11
02:55:57.061:VETMS_CHM_RECORDER:2023/05/11|02:55:57.061|5|GPS|3|1|40:59.0143|N|80:23.7651|W|2|09|
1.1
CHR :2023/05/11
02:55:57.061:VETMS_CHM_RECORDER:2023/05/11|02:55:57.061|5|GPS|3|2|40:59.0136|N|80:23.7652|W|2|09|
1.1
SYS :2023/05/11 02:55:57.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:55:57.061:VETMS_CHM_RECORDER:2023/05/11|02:55:57.061|6|LOC|4|28.27|30|NS|5620|MAIN
1|YG73.8507|9050|5399|NS|5620|MAIN 1|YG76.1817|9053|1989|2|5|41.61
SYS :2023/05/11 02:55:57.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:57.894:LOCATION:location_validate_best_on_route_sol: last DR time
1683773757.50 GPS time 1683773758.0
SYS :2023/05/11 02:55:57.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:5358] overwritten
with Abs pos[NS:5620,9050:5323] GPS time gap[-0.106000] GPS dist gap[-4.393594]
WARN:2023/05/11 02:55:57.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt
current time
SYS :2023/05/11 02:55:58.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5317]
CHR :2023/05/11
02:55:58.068:VETMS_CHM_RECORDER:2023/05/11|02:55:58.068|6|LOC|4|28.27|30|NS|5620|MAIN
1|YG73.8426|9050|5358|NS|5620|MAIN 1|YG76.1736|9053|1948|2|5|41.61
SYS :2023/05/11 02:55:58.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:55:58.087:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:55:58.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773758.55 GPS time 1683773759.0
SYS :2023/05/11 02:55:58.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:5317] overwritten
with Abs pos[NS:5620,9050:5282] GPS time gap[-0.099000] GPS dist gap[-4.103451]

WARN:2023/05/11 02:55:58.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt current time

SYS :2023/05/11 02:55:59.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5276]

CHR :2023/05/11
02:55:59.061:VETMS_CHM_RECORDER:2023/05/11|02:55:59.061|6|LOC|4|28.27|30|NS|5620|MAIN
1|YG73.8344|9050|5317|NS|5620|MAIN 1|YG76.1654|9053|1907|2|5|41.61

SYS :2023/05/11 02:55:59.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:55:59.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:55:59.661:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

SYS :2023/05/11 02:55:59.661:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-10850] ignoring updates.

CHR :2023/05/11 02:55:59.661:VETMS_CHM_RECORDER:2023/05/11|02:55:59.661|22|EMF|3|5100|2

WARN:2023/05/11 02:55:59.705:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!

SYS :2023/05/11 02:55:59.705:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-10850] ignoring updates.

WARN:2023/05/11 02:55:59.705:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:55:59.705:VETMS_CHM_RECORDER:2023/05/11|02:55:59.705|22|EMF|3|5100|2

CHR :2023/05/11 02:55:59.705:VETMS_CHM_RECORDER:2023/05/11|02:55:59.705|22|EMF|3|5100|2

WARN:2023/05/11 02:55:59.732:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:55:59.733:VETMS_CHM_RECORDER:2023/05/11|02:55:59.733|22|EMF|3|5100|2

SYS :2023/05/11 02:55:59.930:LOCATION:location_validate_best_on_route_sol: last DR time 1683773759.49 GPS time 1683773760.0

SYS :2023/05/11 02:55:59.930:LOCATION:dead_reckoner: DR position [NS:5620,9050:5276] overwritten with Abs pos[NS:5620,9050:5240] GPS time gap[-0.070000] GPS dist gap[-2.902130]

WARN:2023/05/11 02:55:59.930:LOCATION:dead_reckoner: GPS time gap[-0.070000] negative wrt current time

SYS :2023/05/11 02:56:00.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5236]

CHR :2023/05/11
02:56:00.062:VETMS_CHM_RECORDER:2023/05/11|02:56:00.062|6|LOC|4|28.27|30|NS|5620|MAIN
1|YG73.8262|9050|5276|NS|5620|MAIN 1|YG76.1572|9053|1866|2|5|41.61

SYS :2023/05/11 02:56:00.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:00.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:00.089:ENFORCEMENT:,SPD,28.3,mph,LL:MP,73.8149, NS, 5620, 9050, 5219,TL,MP,76.1526, NS, 5620, 9053, 1843,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM State,0,TN,004,TE,00219,DBON,0,DBE,00293,PCS,0,STS,00,GRD, 0.03%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0088063,LRF,-0001586,L BF,+0000000,CRF,-0046794,CBF,+0000000,GF,-0015061,CF,-0006188,

SYS :2023/05/11
02:56:00.089:ENFORCEMENT:,PA,0.00960,*,AA,0.00670,TTE,***,DTE,***,TD,***,ECL,01387,ECT,48,EMS,28.3,BCL,02544,BCT,76,BMS,28.3,PCL,01839,PCT,46,WCL,02579,WCT,76,WMS,28.8,SFO,0306,

SYS :2023/05/11 02:56:00.909:LOCATION:location_validate_best_on_route_sol: last DR time

1683773760.50 GPS time 1683773761.0
SYS :2023/05/11 02:56:00.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:5236] overwritten with Abs pos[NS:5620,9050:5199] GPS time gap[-0.091000] GPS dist gap[-3.771859]
WARN:2023/05/11 02:56:00.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt current time
SYS :2023/05/11 02:56:01.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5194]
CHR :2023/05/11
02:56:01.063:VETMS_CHM_RECORDER:2023/05/11|02:56:01.063|6|LOC|4|28.27|30|NS|5620|MAIN 1|YG73.8183|9050|5236|NS|5620|MAIN 1|YG76.1492|9053|1826|2|5|41.61
SYS :2023/05/11 02:56:01.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:01.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:01.902:LOCATION:location_validate_best_on_route_sol: last DR time 1683773761.50 GPS time 1683773762.0
SYS :2023/05/11 02:56:01.902:LOCATION:dead_reckoner: DR position [NS:5620,9050:5194] overwritten with Abs pos[NS:5620,9050:5158] GPS time gap[-0.098000] GPS dist gap[-4.061022]
WARN:2023/05/11 02:56:01.902:LOCATION:dead_reckoner: GPS time gap[-0.098000] negative wrt current time
SYS :2023/05/11 02:56:02.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5152]
CHR :2023/05/11
02:56:02.063:VETMS_CHM_RECORDER:2023/05/11|02:56:02.063|5|GPS|3|1|40:59.0406|N|80:23.7935|W|2|09|1.1
CHR :2023/05/11
02:56:02.063:VETMS_CHM_RECORDER:2023/05/11|02:56:02.063|5|GPS|3|2|40:59.0395|N|80:23.7936|W|2|09|1.1
CHR :2023/05/11
02:56:02.063:VETMS_CHM_RECORDER:2023/05/11|02:56:02.063|6|LOC|4|28.26|30|NS|5620|MAIN 1|YG73.8099|9050|5194|NS|5620|MAIN 1|YG76.1408|9053|1784|2|5|41.61
SYS :2023/05/11 02:56:02.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:02.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:02.898:LOCATION:location_validate_best_on_route_sol: last DR time 1683773762.50 GPS time 1683773763.0
SYS :2023/05/11 02:56:02.898:LOCATION:dead_reckoner: DR position [NS:5620,9050:5152] overwritten with Abs pos[NS:5620,9050:5116] GPS time gap[-0.102000] GPS dist gap[-4.224636]
WARN:2023/05/11 02:56:02.898:LOCATION:dead_reckoner: GPS time gap[-0.102000] negative wrt current time
SYS :2023/05/11 02:56:03.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5110]
CHR :2023/05/11
02:56:03.065:VETMS_CHM_RECORDER:2023/05/11|02:56:03.065|6|LOC|4|28.25|30|NS|5620|MAIN 1|YG73.8016|9050|5152|NS|5620|MAIN 1|YG76.1324|9053|1742|2|5|41.61
SYS :2023/05/11 02:56:03.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:03.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:03.486:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:56:03.486:VETMS_CHM_RECORDER:2023/05/11|02:56:03.486|22|EMF|3|5100|2
SYS :2023/05/11 02:56:03.734:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-11015] ignoring updates.
SYS :2023/05/11 02:56:03.734:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is

[-11015] ignoring updates.
WARN:2023/05/11 02:56:03.734:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:56:03.734:VETMS_CHM_RECORDER:2023/05/11|02:56:03.734|22|EMF|3|5100|2
WARN:2023/05/11 02:56:03.759:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:03.759:VETMS_CHM_RECORDER:2023/05/11|02:56:03.759|22|EMF|3|5100|2
WARN:2023/05/11 02:56:03.779:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:03.779:VETMS_CHM_RECORDER:2023/05/11|02:56:03.779|22|EMF|3|5100|2
SYS :2023/05/11 02:56:03.925:LOCATION:location_validate_best_on_route_sol: last DR time
1683773763.50 GPS time 1683773764.0
SYS :2023/05/11 02:56:03.925:LOCATION:dead_reckoner: DR position [NS:5620,9050:5110] overwritten
with Abs pos[NS:5620,9050:5074] GPS time gap[-0.075000] GPS dist gap[-3.105600]
WARN:2023/05/11 02:56:03.926:LOCATION:dead_reckoner: GPS time gap[-0.075000] negative wrt
current time
SYS :2023/05/11 02:56:04.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5069]
CHR :2023/05/11
02:56:04.064:VETMS_CHM_RECORDER:2023/05/11|02:56:04.064|6|LOC|4|28.24|30|NS|5620|MAIN
1|YG73.7932|9050|5110|NS|5620|MAIN 1|YG76.1240|9053|1700|2|5|41.61
SYS :2023/05/11 02:56:04.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:04.086:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:04.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773764.50 GPS time 1683773765.0
SYS :2023/05/11 02:56:04.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:5069] overwritten
with Abs pos[NS:5620,9050:5033] GPS time gap[-0.091000] GPS dist gap[-3.764488]
WARN:2023/05/11 02:56:04.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt
current time
SYS :2023/05/11 02:56:05.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:5028]
CHR :2023/05/11
02:56:05.063:VETMS_CHM_RECORDER:2023/05/11|02:56:05.063|6|LOC|4|28.21|30|NS|5620|MAIN
1|YG73.7850|9050|5069|NS|5620|MAIN 1|YG76.1158|9053|1659|2|5|41.61
SYS :2023/05/11 02:56:05.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:05.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:05.889:LOCATION:location_validate_best_on_route_sol: last DR time
1683773765.50 GPS time 1683773766.0
SYS :2023/05/11 02:56:05.889:LOCATION:dead_reckoner: DR position [NS:5620,9050:5028] overwritten
with Abs pos[NS:5620,9050:4992] GPS time gap[-0.111000] GPS dist gap[-4.589628]
WARN:2023/05/11 02:56:05.889:LOCATION:dead_reckoner: GPS time gap[-0.111000] negative wrt
current time
SYS :2023/05/11 02:56:06.049:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4986]
CHR :2023/05/11
02:56:06.061:VETMS_CHM_RECORDER:2023/05/11|02:56:06.061|6|LOC|4|28.20|30|NS|5620|MAIN
1|YG73.7769|9050|5028|NS|5620|MAIN 1|YG76.1076|9053|1618|2|5|41.61
SYS :2023/05/11 02:56:06.059:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:06.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch

```
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:56:06.085:VETMS_CHM_RECORDER:2023/05/11|02:56:06.085|16|TGT|4|4457|2539|0|4|NS|5620|9053|14847
|NS|5620|9048|0|EQUIPMENT RESTRICTIO|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|SPEED
RESTRICTION|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|PERMANENT SPEED
REST|40|0|0|NS|5620|9052|385|NS|5620|9
CHR :2023/05/11 02:56:06.085:VETMS_CHM_RECORDER:052|0|PERMANENT SPEED REST|30|0|0
SYS :2023/05/11 02:56:06.914:LOCATION:location_validate_best_on_route_sol: last DR time
1683773766.49 GPS time 1683773767.0
SYS :2023/05/11 02:56:06.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:4986] overwritten
with Abs pos[NS:5620,9050:4952] GPS time gap[-0.086000] GPS dist gap[-3.545436]
WARN:2023/05/11 02:56:06.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt
current time
SYS :2023/05/11 02:56:07.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4947]
CHR :2023/05/11
02:56:07.062:VETMS_CHM_RECORDER:2023/05/11|02:56:07.062|5|GPS|3|1|40:59.0670|N|80:23.8216|W|2|09|
1.1
CHR :2023/05/11
02:56:07.062:VETMS_CHM_RECORDER:2023/05/11|02:56:07.062|5|GPS|3|2|40:59.0655|N|80:23.8225|W|2|08|
1.2
SYS :2023/05/11 02:56:07.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:56:07.062:VETMS_CHM_RECORDER:2023/05/11|02:56:07.062|6|LOC|4|28.11|30|NS|5620|MAIN
1|YG73.7685|9050|4986|NS|5620|MAIN 1|YG76.0993|9053|1576|2|5|41.61
SYS :2023/05/11 02:56:07.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:07.656:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
SYS :2023/05/11 02:56:07.656:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-11181] ignoring updates.
SYS :2023/05/11 02:56:07.656:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-11181] ignoring updates.
CHR :2023/05/11 02:56:07.656:VETMS_CHM_RECORDER:2023/05/11|02:56:07.656|22|EMF|3|5100|2
WARN:2023/05/11 02:56:07.681:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:56:07.681:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:07.681:VETMS_CHM_RECORDER:2023/05/11|02:56:07.681|22|EMF|3|5100|2
CHR :2023/05/11 02:56:07.681:VETMS_CHM_RECORDER:2023/05/11|02:56:07.681|22|EMF|3|5100|2
SYS :2023/05/11 02:56:07.885:LOCATION:location_validate_best_on_route_sol: last DR time
1683773767.50 GPS time 1683773768.0
SYS :2023/05/11 02:56:07.885:LOCATION:dead_reckoner: DR position [NS:5620,9050:4947] overwritten
with Abs pos[NS:5620,9050:4911] GPS time gap[-0.115000] GPS dist gap[-4.709710]
WARN:2023/05/11 02:56:07.885:LOCATION:dead_reckoner: GPS time gap[-0.115000] negative wrt
current time
SYS :2023/05/11 02:56:08.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4905]
CHR :2023/05/11
02:56:08.068:VETMS_CHM_RECORDER:2023/05/11|02:56:08.068|6|LOC|4|27.93|30|NS|5620|MAIN
1|YG73.7608|9050|4947|NS|5620|MAIN 1|YG76.0915|9053|1537|2|5|41.61
SYS :2023/05/11 02:56:08.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
```

```
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:08.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:08.884:LOCATION:location_validate_best_on_route_sol: last DR time
1683773768.55 GPS time 1683773769.0
SYS :2023/05/11 02:56:08.884:LOCATION:dead_reckoner: DR position [NS:5620,9050:4905] overwritten
with Abs pos[NS:5620,9050:4871] GPS time gap[-0.116000] GPS dist gap[-4.725956]
WARN:2023/05/11 02:56:08.884:LOCATION:dead_reckoner: GPS time gap[-0.116000] negative wrt
current time
SYS :2023/05/11 02:56:09.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4865]
CHR :2023/05/11
02:56:09.062:VETMS_CHM_RECORDER:2023/05/11|02:56:09.062|6|LOC|4|27.78|30|NS|5620|MAIN
1|YG73.7524|9050|4905|NS|5620|MAIN 1|YG76.0831|9053|1495|2|5|41.61
SYS :2023/05/11 02:56:09.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:09.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:09.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773769.50 GPS time 1683773770.0
SYS :2023/05/11 02:56:09.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:4865] overwritten
with Abs pos[NS:5620,9050:4830] GPS time gap[-0.087000] GPS dist gap[-3.538377]
WARN:2023/05/11 02:56:09.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:56:10.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4825]
CHR :2023/05/11
02:56:10.064:VETMS_CHM_RECORDER:2023/05/11|02:56:10.064|6|LOC|4|27.74|30|NS|5620|MAIN
1|YG73.7444|9050|4865|NS|5620|MAIN 1|YG76.0751|9053|1455|2|5|41.61
SYS :2023/05/11 02:56:10.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:10.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:10.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773770.51 GPS time 1683773771.0
SYS :2023/05/11 02:56:10.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:4825] overwritten
with Abs pos[NS:5620,9050:4790] GPS time gap[-0.096000] GPS dist gap[-3.903360]
WARN:2023/05/11 02:56:10.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time
SYS :2023/05/11 02:56:11.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4785]
CHR :2023/05/11
02:56:11.063:VETMS_CHM_RECORDER:2023/05/11|02:56:11.063|6|LOC|4|27.73|30|NS|5620|MAIN
1|YG73.7365|9050|4825|NS|5620|MAIN 1|YG76.0671|9053|1415|2|5|41.61
SYS :2023/05/11 02:56:11.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:11.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:11.447:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:11.447:VETMS_CHM_RECORDER:2023/05/11|02:56:11.447|22|EMF|3|5100|2
SYS :2023/05/11 02:56:11.517:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-11342] ignoring updates.
WARN:2023/05/11 02:56:11.577:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
```

WARN:2023/05/11 02:56:11.577:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-3] seconds!

CHR :2023/05/11 02:56:11.577:VETMS_CHM_RECORDER:2023/05/11|02:56:11.577|22|EMF|3|5100|2

CHR :2023/05/11 02:56:11.577:VETMS_CHM_RECORDER:2023/05/11|02:56:11.577|22|EMF|3|5100|2

WARN:2023/05/11 02:56:11.706:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:56:11.706:VETMS_CHM_RECORDER:2023/05/11|02:56:11.706|22|EMF|3|5100|2

SYS :2023/05/11 02:56:11.894:LOCATION:location_validate_best_on_route_sol: last DR time 1683773771.50 GPS time 1683773772.0

SYS :2023/05/11 02:56:11.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:4785] overwritten with Abs pos[NS:5620,9050:4750] GPS time gap[-0.106000] GPS dist gap[-4.309960]

WARN:2023/05/11 02:56:11.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt current time

SYS :2023/05/11 02:56:12.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4744]

CHR :2023/05/11

02:56:12.062:VETMS_CHM_RECORDER:2023/05/11|02:56:12.062|5|GPS|3|1|40:59.0926|N|80:23.8496|W|2|09|1.1

CHR :2023/05/11

02:56:12.062:VETMS_CHM_RECORDER:2023/05/11|02:56:12.062|5|GPS|3|2|40:59.0899|N|80:23.8511|W|2|09|1.1

CHR :2023/05/11

02:56:12.062:VETMS_CHM_RECORDER:2023/05/11|02:56:12.062|6|LOC|4|27.73|30|NS|5620|MAIN 1|YG73.7285|9050|4785|NS|5620|MAIN 1|YG76.0591|9053|1375|2|5|41.61

SYS :2023/05/11 02:56:12.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:12.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:12.923:LOCATION:location_validate_best_on_route_sol: last DR time 1683773772.51 GPS time 1683773773.0

SYS :2023/05/11 02:56:12.923:LOCATION:dead_reckoner: DR position [NS:5620,9050:4744] overwritten with Abs pos[NS:5620,9050:4710] GPS time gap[-0.077000] GPS dist gap[-3.128510]

WARN:2023/05/11 02:56:12.923:LOCATION:dead_reckoner: GPS time gap[-0.077000] negative wrt current time

SYS :2023/05/11 02:56:13.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4705]

CHR :2023/05/11

02:56:13.063:VETMS_CHM_RECORDER:2023/05/11|02:56:13.063|6|LOC|4|27.71|30|NS|5620|MAIN 1|YG73.7204|9050|4744|NS|5620|MAIN 1|YG76.0509|9053|1334|2|5|41.61

SYS :2023/05/11 02:56:13.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:13.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:13.903:LOCATION:location_validate_best_on_route_sol: last DR time 1683773773.51 GPS time 1683773774.0

SYS :2023/05/11 02:56:13.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:4705] overwritten with Abs pos[NS:5620,9050:4670] GPS time gap[-0.097000] GPS dist gap[-3.939170]

WARN:2023/05/11 02:56:13.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt current time

SYS :2023/05/11 02:56:14.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4665]

CHR :2023/05/11

02:56:14.065:VETMS_CHM_RECORDER:2023/05/11|02:56:14.065|6|LOC|4|27.69|30|NS|5620|MAIN 1|YG73.7126|9050|4705|NS|5620|MAIN 1|YG76.0431|9053|1295|2|5|41.61

SYS :2023/05/11 02:56:14.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested

```
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:14.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:14.915:LOCATION:location_validate_best_on_route_sol: last DR time
1683773774.50 GPS time 1683773775.0
SYS :2023/05/11 02:56:14.916:LOCATION:dead_reckoner: DR position [NS:5620,9050:4665] overwritten
with Abs pos[NS:5620,9050:4629] GPS time gap[-0.084000] GPS dist gap[-3.410400]
WARN:2023/05/11 02:56:14.916:LOCATION:dead_reckoner: GPS time gap[-0.084000] negative wrt
current time
SYS :2023/05/11 02:56:15.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4624]
SYS :2023/05/11 02:56:15.061:TRACK_WARRANT:tw_log_current_auth_blocks: No Authority Block data
CHR :2023/05/11
02:56:15.062:VETMS_CHM_RECORDER:2023/05/11|02:56:15.062|6|LOC|4|27.69|30|NS|5620|MAIN
1|YG73.7046|9050|4665|NS|5620|MAIN 1|YG76.0352|9053|1255|2|5|41.61
SYS :2023/05/11 02:56:15.062:WHEEL_CALIBRATION:wc_end_distance_calibration: Exiting mapped
calibration [Excessive Throttle Notch] [6260/13600] [ILC: 6248.20 (V)]
SYS :2023/05/11 02:56:15.061:TRACK_WARRANT:tw_log_auth_limits: No Authority Fwd limits data
SYS :2023/05/11 02:56:15.061:TRACK_WARRANT:tw_log_auth_limits: No Authority Rev limits data
SYS :2023/05/11 02:56:15.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:15.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:15.467:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:15.467:VETMS_CHM_RECORDER:2023/05/11|02:56:15.467|22|EMF|3|5100|2
WARN:2023/05/11 02:56:15.609:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:15.609:VETMS_CHM_RECORDER:2023/05/11|02:56:15.609|22|EMF|3|5100|2
SYS :2023/05/11 02:56:15.659:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-11502] ignoring updates.
WARN:2023/05/11 02:56:15.659:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:56:15.660:VETMS_CHM_RECORDER:2023/05/11|02:56:15.659|22|EMF|3|5100|2
WARN:2023/05/11 02:56:15.693:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:15.693:VETMS_CHM_RECORDER:2023/05/11|02:56:15.693|22|EMF|3|5100|2
WARN:2023/05/11 02:56:15.716:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:56:15.716:VETMS_CHM_RECORDER:2023/05/11|02:56:15.716|22|EMF|3|5100|2
SYS :2023/05/11 02:56:15.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773775.51 GPS time 1683773776.0
SYS :2023/05/11 02:56:15.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:4624] overwritten
with Abs pos[NS:5620,9050:4589] GPS time gap[-0.087000] GPS dist gap[-3.533940]
WARN:2023/05/11 02:56:15.914:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:56:16.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4584]
CHR :2023/05/11
02:56:16.064:VETMS_CHM_RECORDER:2023/05/11|02:56:16.064|6|LOC|4|27.70|30|NS|5620|MAIN
1|YG73.6965|9050|4624|NS|5620|MAIN 1|YG76.0270|9053|1214|2|5|41.61
```

SYS :2023/05/11 02:56:16.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:16.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:16.908:LOCATION:location_validate_best_on_route_sol: last DR time 1683773776.51 GPS time 1683773777.0
SYS :2023/05/11 02:56:16.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:4584] overwritten with Abs pos[NS:5620,9050:4549] GPS time gap[-0.091000] GPS dist gap[-3.700060]
WARN:2023/05/11 02:56:16.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt current time
SYS :2023/05/11 02:56:17.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4544]
CHR :2023/05/11
02:56:17.061:VETMS_CHM_RECORDER:2023/05/11|02:56:17.061|5|GPS|3|1|40:59.1179|N|80:23.8777|W|2|09|1.1
CHR :2023/05/11
02:56:17.061:VETMS_CHM_RECORDER:2023/05/11|02:56:17.061|5|GPS|3|2|40:59.1145|N|80:23.8793|W|2|09|1.1
CHR :2023/05/11
02:56:17.061:VETMS_CHM_RECORDER:2023/05/11|02:56:17.061|6|LOC|4|27.73|30|NS|5620|MAIN 1|YG73.6885|9050|4584|NS|5620|MAIN 1|YG76.0190|9053|1174|2|5|41.61
SYS :2023/05/11 02:56:17.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:17.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:17.904:LOCATION:location_validate_best_on_route_sol: last DR time 1683773777.50 GPS time 1683773778.0
SYS :2023/05/11 02:56:17.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:4544] overwritten with Abs pos[NS:5620,9050:4509] GPS time gap[-0.096000] GPS dist gap[-3.905376]
WARN:2023/05/11 02:56:17.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt current time
SYS :2023/05/11 02:56:18.056:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4503]
CHR :2023/05/11
02:56:18.068:VETMS_CHM_RECORDER:2023/05/11|02:56:18.068|6|LOC|4|27.74|30|NS|5620|MAIN 1|YG73.6806|9050|4544|NS|5620|MAIN 1|YG76.0110|9053|1134|2|5|41.61
SYS :2023/05/11 02:56:18.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:18.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:18.222:TRACK_MAP:data analysis complete
SYS :2023/05/11 02:56:18.907:LOCATION:location_validate_best_on_route_sol: last DR time 1683773778.56 GPS time 1683773779.0
SYS :2023/05/11 02:56:18.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:4503] overwritten with Abs pos[NS:5620,9050:4469] GPS time gap[-0.093000] GPS dist gap[-3.784263]
WARN:2023/05/11 02:56:18.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt current time
SYS :2023/05/11 02:56:19.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4464]
CHR :2023/05/11
02:56:19.066:VETMS_CHM_RECORDER:2023/05/11|02:56:19.066|6|LOC|4|27.75|30|NS|5620|MAIN 1|YG73.6724|9050|4503|NS|5620|MAIN 1|YG76.0028|9053|1093|2|5|41.61
SYS :2023/05/11 02:56:19.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:19.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:19.655:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU

ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:56:19.656:VETMS_CHM_RECORDER:2023/05/11|02:56:19.656|22|EMF|3|5100|2
WARN:2023/05/11 02:56:19.656:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:56:19.656:VETMS_CHM_RECORDER:2023/05/11|02:56:19.656|22|EMF|3|5100|2
WARN:2023/05/11 02:56:19.710:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
SYS :2023/05/11 02:56:19.710:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-11664] ignoring updates.
CHR :2023/05/11 02:56:19.710:VETMS_CHM_RECORDER:2023/05/11|02:56:19.710|22|EMF|3|5100|2
WARN:2023/05/11 02:56:19.719:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
WARN:2023/05/11 02:56:19.719:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:56:19.720:VETMS_CHM_RECORDER:2023/05/11|02:56:19.720|22|EMF|3|5100|2
CHR :2023/05/11 02:56:19.720:VETMS_CHM_RECORDER:2023/05/11|02:56:19.720|22|EMF|3|5100|2
SYS :2023/05/11 02:56:19.906:LOCATION:location_validate_best_on_route_sol: last DR time 1683773779.51 GPS time 1683773780.0
SYS :2023/05/11 02:56:19.906:LOCATION:dead_reckoner: DR position [NS:5620,9050:4464] overwritten with Abs pos[NS:5620,9050:4428] GPS time gap[-0.094000] GPS dist gap[-3.824954]
WARN:2023/05/11 02:56:19.906:LOCATION:dead_reckoner: GPS time gap[-0.094000] negative wrt current time
SYS :2023/05/11 02:56:20.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4423]
CHR :2023/05/11
02:56:20.065:VETMS_CHM_RECORDER:2023/05/11|02:56:20.065|6|LOC|4|27.75|30|NS|5620|MAIN 1|YG73.6646|9050|4464|NS|5620|MAIN 1|YG75.9957|9053|1054|2|5|41.61
SYS :2023/05/11 02:56:20.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:20.085:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:20.893:LOCATION:location_validate_best_on_route_sol: last DR time 1683773780.51 GPS time 1683773781.0
SYS :2023/05/11 02:56:20.893:LOCATION:dead_reckoner: DR position [NS:5620,9050:4423] overwritten with Abs pos[NS:5620,9050:4388] GPS time gap[-0.107000] GPS dist gap[-4.353937]
WARN:2023/05/11 02:56:20.893:LOCATION:dead_reckoner: GPS time gap[-0.107000] negative wrt current time
SYS :2023/05/11 02:56:21.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4382]
CHR :2023/05/11
02:56:21.064:VETMS_CHM_RECORDER:2023/05/11|02:56:21.064|6|LOC|4|27.75|30|NS|5620|MAIN 1|YG73.6565|9050|4423|NS|5620|MAIN 1|YG75.9886|9053|1013|2|5|41.61
SYS :2023/05/11 02:56:21.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:21.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:21.912:LOCATION:location_validate_best_on_route_sol: last DR time 1683773781.51 GPS time 1683773782.0
SYS :2023/05/11 02:56:21.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:4382] overwritten with Abs pos[NS:5620,9050:4347] GPS time gap[-0.088000] GPS dist gap[-3.578080]
WARN:2023/05/11 02:56:21.913:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt

```
current time
SYS :2023/05/11 02:56:22.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4342]
CHR :2023/05/11
02:56:22.065:VETMS_CHM_RECORDER:2023/05/11|02:56:22.065|5|GPS|3|1|40:59.1436|N|80:23.9054|W|2|09|
1.1
CHR :2023/05/11
02:56:22.065:VETMS_CHM_RECORDER:2023/05/11|02:56:22.065|5|GPS|3|2|40:59.1408|N|80:23.9075|W|2|09|
1.1
CHR :2023/05/11
02:56:22.065:VETMS_CHM_RECORDER:2023/05/11|02:56:22.065|6|LOC|4|27.73|30|NS|5620|MAIN
1|YG73.6483|9050|4382|NS|5620|MAIN 1|YG75.9815|9053|972|2|5|41.61
SYS :2023/05/11 02:56:22.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:22.075:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:22.920:LOCATION:location_validate_best_on_route_sol: last DR time
1683773782.51 GPS time 1683773783.0
SYS :2023/05/11 02:56:22.920:LOCATION:dead_reckoner: DR position [NS:5620,9050:4342] overwritten
with Abs pos[NS:5620,9050:4307] GPS time gap[-0.080000] GPS dist gap[-3.248000]
WARN:2023/05/11 02:56:22.920:LOCATION:dead_reckoner: GPS time gap[-0.080000] negative wrt
current time
SYS :2023/05/11 02:56:23.050:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4302]
CHR :2023/05/11
02:56:23.062:VETMS_CHM_RECORDER:2023/05/11|02:56:23.062|6|LOC|4|27.69|30|NS|5620|MAIN
1|YG73.6403|9050|4342|NS|5620|MAIN 1|YG75.9746|9053|932|2|5|41.61
SYS :2023/05/11 02:56:23.060:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:23.069:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:23.570:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:23.571:VETMS_CHM_RECORDER:2023/05/11|02:56:23.571|22|EMF|3|5100|2
WARN:2023/05/11 02:56:23.705:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:23.705:VETMS_CHM_RECORDER:2023/05/11|02:56:23.705|22|EMF|3|5100|2
SYS :2023/05/11 02:56:23.721:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-11825] ignoring updates.
WARN:2023/05/11 02:56:23.721:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:56:23.722:VETMS_CHM_RECORDER:2023/05/11|02:56:23.722|22|EMF|3|5100|2
WARN:2023/05/11 02:56:23.812:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-4] seconds!
CHR :2023/05/11 02:56:23.812:VETMS_CHM_RECORDER:2023/05/11|02:56:23.812|22|EMF|3|5100|2
SYS :2023/05/11 02:56:23.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773783.50 GPS time 1683773784.0
SYS :2023/05/11 02:56:23.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:4302] overwritten
with Abs pos[NS:5620,9050:4267] GPS time gap[-0.089000] GPS dist gap[-3.610641]
WARN:2023/05/11 02:56:23.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:56:24.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4262]
```

CHR :2023/05/11
02:56:24.064:VETMS_CHM_RECORDER:2023/05/11|02:56:24.064|6|LOC|4|27.67|30|NS|5620|MAIN
1|YG73.6324|9050|4302|NS|5620|MAIN 1|YG75.9677|9053|892|2|5|41.61
SYS :2023/05/11 02:56:24.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:24.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:24.945:LOCATION:location_validate_best_on_route_sol: last DR time
1683773784.51 GPS time 1683773785.0
SYS :2023/05/11 02:56:24.945:LOCATION:dead_reckoner: DR position [NS:5620,9050:4262] overwritten
with Abs pos[NS:5620,9050:4227] GPS time gap[-0.055000] GPS dist gap[-2.231295]
WARN:2023/05/11 02:56:24.945:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt
current time
SYS :2023/05/11 02:56:25.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4223]
CHR :2023/05/11
02:56:25.067:VETMS_CHM_RECORDER:2023/05/11|02:56:25.067|6|LOC|4|27.67|30|NS|5620|MAIN
1|YG73.6244|9050|4262|NS|5620|MAIN 1|YG75.9608|9053|852|2|5|41.61
SYS :2023/05/11 02:56:25.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:25.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:25.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773785.51 GPS time 1683773786.0
SYS :2023/05/11 02:56:25.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:4223] overwritten
with Abs pos[NS:5620,9050:4187] GPS time gap[-0.097000] GPS dist gap[-3.932283]
WARN:2023/05/11 02:56:25.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
ERR :2023/05/11 02:56:26.032:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:56:26.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4182]
CHR :2023/05/11
02:56:26.065:VETMS_CHM_RECORDER:2023/05/11|02:56:26.065|6|LOC|4|27.65|30|NS|5620|MAIN
1|YG73.6167|9050|4223|NS|5620|MAIN 1|YG75.9540|9053|813|2|5|41.61
SYS :2023/05/11 02:56:26.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:26.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:26.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773786.51 GPS time 1683773787.0
SYS :2023/05/11 02:56:26.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:4182] overwritten
with Abs pos[NS:5620,9050:4146] GPS time gap[-0.096000] GPS dist gap[-3.890784]
WARN:2023/05/11 02:56:26.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time
SYS :2023/05/11 02:56:27.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4141]
CHR :2023/05/11
02:56:27.062:VETMS_CHM_RECORDER:2023/05/11|02:56:27.062|5|GPS|3|1|40:59.1692|N|80:23.9331|W|2|09|
1.1
CHR :2023/05/11
02:56:27.062:VETMS_CHM_RECORDER:2023/05/11|02:56:27.062|5|GPS|3|2|40:59.1664|N|80:23.9355|W|2|09|
1.1
SYS :2023/05/11 02:56:27.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:56:27.062:VETMS_CHM_RECORDER:2023/05/11|02:56:27.062|6|LOC|4|27.64|30|NS|5620|MAIN
1|YG73.6085|9050|4182|NS|5620|MAIN 1|YG75.9469|9053|772|2|5|41.61

SYS :2023/05/11 02:56:27.074:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:56:27.443:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:56:27.443:VETMS_CHM_RECORDER:2023/05/11|02:56:27.443|22|EMF|3|5100|2

WARN:2023/05/11 02:56:27.613:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

WARN:2023/05/11 02:56:27.613:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:56:27.613:VETMS_CHM_RECORDER:2023/05/11|02:56:27.613|22|EMF|3|5100|2

CHR :2023/05/11 02:56:27.613:VETMS_CHM_RECORDER:2023/05/11|02:56:27.613|22|EMF|3|5100|2

SYS :2023/05/11 02:56:27.734:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-11985] ignoring updates.

WARN:2023/05/11 02:56:27.734:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

WARN:2023/05/11 02:56:27.735:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:56:27.735:VETMS_CHM_RECORDER:2023/05/11|02:56:27.735|22|EMF|3|5100|2

CHR :2023/05/11 02:56:27.735:VETMS_CHM_RECORDER:2023/05/11|02:56:27.735|22|EMF|3|5100|2

SYS :2023/05/11 02:56:27.913:LOCATION:location_validate_best_on_route_sol: last DR time 1683773787.51 GPS time 1683773788.0

SYS :2023/05/11 02:56:27.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:4141] overwritten with Abs pos[NS:5620,9050:4106] GPS time gap[-0.087000] GPS dist gap[-3.524283]

WARN:2023/05/11 02:56:27.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt current time

SYS :2023/05/11 02:56:28.056:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4101]

CHR :2023/05/11 02:56:28.069:VETMS_CHM_RECORDER:2023/05/11|02:56:28.069|6|LOC|4|27.63|30|NS|5620|MAIN 1|YG73.6003|9050|4141|NS|5620|MAIN 1|YG75.9398|9053|731|2|5|41.61

SYS :2023/05/11 02:56:28.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:28.080:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:28.912:LOCATION:location_validate_best_on_route_sol: last DR time 1683773788.56 GPS time 1683773789.0

SYS :2023/05/11 02:56:28.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:4101] overwritten with Abs pos[NS:5620,9050:4066] GPS time gap[-0.088000] GPS dist gap[-3.562152]

WARN:2023/05/11 02:56:28.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt current time

SYS :2023/05/11 02:56:29.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4061]

CHR :2023/05/11 02:56:29.066:VETMS_CHM_RECORDER:2023/05/11|02:56:29.066|6|LOC|4|27.61|30|NS|5620|MAIN 1|YG73.5924|9050|4101|NS|5620|MAIN 1|YG75.9329|9053|691|2|5|41.61

SYS :2023/05/11 02:56:29.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:29.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:29.941:LOCATION:location_validate_best_on_route_sol: last DR time 1683773789.51 GPS time 1683773790.0

SYS :2023/05/11 02:56:29.941:LOCATION:dead_reckoner: DR position [NS:5620,9050:4061] overwritten with Abs pos[NS:5620,9050:4027] GPS time gap[-0.059000] GPS dist gap[-2.389441]
WARN:2023/05/11 02:56:29.941:LOCATION:dead_reckoner: GPS time gap[-0.059000] negative wrt current time

SYS :2023/05/11 02:56:30.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:4023]
CHR :2023/05/11
02:56:30.069:VETMS_CHM_RECORDER:2023/05/11|02:56:30.069|6|LOC|4|27.62|30|NS|5620|MAIN
1|YG73.5844|9050|4061|NS|5620|MAIN 1|YG75.9260|9053|651|2|5|41.61

SYS :2023/05/11 02:56:30.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:30.075:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:30.090:ENFORCEMENT:,SPD,27.6,mph,LL:MP,73.5735, NS, 5620, 9050, 4006,TL,MP,75.9224, NS, 5620, 9053, 630,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM State,0,TN,007,TE,00439,DBON,0,DBE,00293,PCS,0,STS,00,GRD, 0.02%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0171164,LRF,-0001550,LBF,+0000000,CRF,-0046116,CBF,+0000000,GF,-0012192,CF,-0005765,

SYS :2023/05/11
02:56:30.090:ENFORCEMENT:,PA,0.05550,*,AA,0.01350,TTE,***,DTE,***,TD,***,ECL,01355,ECT,47,EMS,27.8,BCL,02488,BCT,75,BMS,27.9,PCL,01851,PCT,46,WCL,02681,WCT,77,WMS,29.6,SFO,0303,

SYS :2023/05/11 02:56:30.907:LOCATION:location_validate_best_on_route_sol: last DR time 1683773790.53 GPS time 1683773791.0

SYS :2023/05/11 02:56:30.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:4023] overwritten with Abs pos[NS:5620,9050:3987] GPS time gap[-0.093000] GPS dist gap[-3.768267]
WARN:2023/05/11 02:56:30.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt current time

SYS :2023/05/11 02:56:31.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3982]
CHR :2023/05/11
02:56:31.065:VETMS_CHM_RECORDER:2023/05/11|02:56:31.065|6|LOC|4|27.63|30|NS|5620|MAIN
1|YG73.5769|9050|4023|NS|5620|MAIN 1|YG75.9195|9053|613|2|5|41.61

SYS :2023/05/11 02:56:31.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:56:31.071:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:56:31.595:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-12144] ignoring updates.

SYS :2023/05/11 02:56:31.639:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-12144] ignoring updates.

WARN:2023/05/11 02:56:31.639:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!

WARN:2023/05/11 02:56:31.639:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

WARN:2023/05/11 02:56:31.640:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:56:31.640:VETMS_CHM_RECORDER:2023/05/11|02:56:31.640|22|EMF|3|5100|2
CHR :2023/05/11 02:56:31.640:VETMS_CHM_RECORDER:2023/05/11|02:56:31.640|22|EMF|3|5100|2
CHR :2023/05/11 02:56:31.640:VETMS_CHM_RECORDER:2023/05/11|02:56:31.640|22|EMF|3|5100|2

WARN:2023/05/11 02:56:31.664:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:56:31.664:VETMS_CHM_RECORDER:2023/05/11|02:56:31.664|22|EMF|3|5100|2
SYS :2023/05/11 02:56:31.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773791.51 GPS time 1683773792.0
SYS :2023/05/11 02:56:31.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:3982] overwritten
with Abs pos[NS:5620,9050:3946] GPS time gap[-0.091000] GPS dist gap[-3.686319]
WARN:2023/05/11 02:56:31.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt
current time
SYS :2023/05/11 02:56:32.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3941]
CHR :2023/05/11
02:56:32.064:VETMS_CHM_RECORDER:2023/05/11|02:56:32.064|5|GPS|3|1|40:59.1946|N|80:23.9608|W|2|09|
1.1
CHR :2023/05/11
02:56:32.064:VETMS_CHM_RECORDER:2023/05/11|02:56:32.064|5|GPS|3|2|40:59.1909|N|80:23.9632|W|2|09|
1.1
CHR :2023/05/11
02:56:32.064:VETMS_CHM_RECORDER:2023/05/11|02:56:32.064|6|LOC|4|27.63|30|NS|5620|MAIN
1|YG73.5687|9050|3982|NS|5620|MAIN 1|YG75.9124|9053|572|2|5|41.61
SYS :2023/05/11 02:56:32.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:32.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:32.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773792.51 GPS time 1683773793.0
SYS :2023/05/11 02:56:32.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:3941] overwritten
with Abs pos[NS:5620,9050:3906] GPS time gap[-0.089000] GPS dist gap[-3.606191]
WARN:2023/05/11 02:56:32.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:56:33.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3901]
CHR :2023/05/11
02:56:33.064:VETMS_CHM_RECORDER:2023/05/11|02:56:33.064|6|LOC|4|27.63|30|NS|5620|MAIN
1|YG73.5605|9050|3941|NS|5620|MAIN 1|YG75.9053|9053|531|2|5|41.61
SYS :2023/05/11 02:56:33.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:33.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:33.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773793.51 GPS time 1683773794.0
SYS :2023/05/11 02:56:33.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:3901] overwritten
with Abs pos[NS:5620,9050:3866] GPS time gap[-0.090000] GPS dist gap[-3.648510]
WARN:2023/05/11 02:56:33.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time
SYS :2023/05/11 02:56:34.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3861]
CHR :2023/05/11
02:56:34.064:VETMS_CHM_RECORDER:2023/05/11|02:56:34.064|6|LOC|4|27.65|30|NS|5620|MAIN
1|YG73.5526|9050|3901|NS|5620|MAIN 1|YG75.8984|9053|491|2|5|41.61
SYS :2023/05/11 02:56:34.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:34.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:34.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773794.51 GPS time 1683773795.0
SYS :2023/05/11 02:56:34.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:3861] overwritten
with Abs pos[NS:5620,9050:3826] GPS time gap[-0.079000] GPS dist gap[-3.204161]
WARN:2023/05/11 02:56:34.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt

```
current time
SYS :2023/05/11 02:56:35.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3821]
CHR :2023/05/11
02:56:35.063:VETMS_CHM_RECORDER:2023/05/11|02:56:35.063|6|LOC|4|27.66|30|NS|5620|MAIN
1|YG73.5446|9050|3861|NS|5620|MAIN 1|YG75.8915|9053|451|2|5|41.61
SYS :2023/05/11 02:56:35.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:35.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:35.579:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-12306] ignoring updates.
WARN:2023/05/11 02:56:35.633:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:35.634:VETMS_CHM_RECORDER:2023/05/11|02:56:35.634|22|EMF|3|5100|2
SYS :2023/05/11 02:56:35.659:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-12306] ignoring updates.
WARN:2023/05/11 02:56:35.659:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:56:35.660:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:35.660:VETMS_CHM_RECORDER:2023/05/11|02:56:35.660|22|EMF|3|5100|2
CHR :2023/05/11 02:56:35.660:VETMS_CHM_RECORDER:2023/05/11|02:56:35.660|22|EMF|3|5100|2
SYS :2023/05/11 02:56:35.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773795.51 GPS time 1683773796.0
SYS :2023/05/11 02:56:35.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:3821] overwritten
with Abs pos[NS:5620,9050:3786] GPS time gap[-0.096000] GPS dist gap[-3.897600]
WARN:2023/05/11 02:56:35.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time
SYS :2023/05/11 02:56:36.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3780]
CHR :2023/05/11
02:56:36.068:VETMS_CHM_RECORDER:2023/05/11|02:56:36.068|6|LOC|4|27.69|30|NS|5620|MAIN
1|YG73.5367|9050|3821|NS|5620|MAIN 1|YG75.8845|9053|411|2|5|41.61
SYS :2023/05/11 02:56:36.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:36.091:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:36.945:LOCATION:location_validate_best_on_route_sol: last DR time
1683773796.52 GPS time 1683773797.0
SYS :2023/05/11 02:56:36.945:LOCATION:dead_reckoner: DR position [NS:5620,9050:3780] overwritten
with Abs pos[NS:5620,9050:3745] GPS time gap[-0.055000] GPS dist gap[-2.234100]
WARN:2023/05/11 02:56:36.945:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt
current time
SYS :2023/05/11 02:56:37.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3741]
CHR :2023/05/11
02:56:37.065:VETMS_CHM_RECORDER:2023/05/11|02:56:37.065|5|GPS|3|1|40:59.2202|N|80:23.9885|W|2|09|
1.1
CHR :2023/05/11
02:56:37.065:VETMS_CHM_RECORDER:2023/05/11|02:56:37.065|5|GPS|3|2|40:59.2166|N|80:23.9917|W|2|09|
1.1
SYS :2023/05/11 02:56:37.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
```

CHR :2023/05/11
02:56:37.065:VETMS_CHM_RECORDER:2023/05/11|02:56:37.065|6|LOC|4|27.70|30|NS|5620|MAIN
1|YG73.5285|9050|3780|NS|5620|MAIN 1|YG75.8775|9053|370|2|5|41.61
SYS :2023/05/11 02:56:37.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:37.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773797.52 GPS time 1683773798.0
SYS :2023/05/11 02:56:37.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:3741] overwritten
with Abs pos[NS:5620,9050:3705] GPS time gap[-0.087000] GPS dist gap[-3.534810]
WARN:2023/05/11 02:56:37.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:56:38.057:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3700]
CHR :2023/05/11
02:56:38.069:VETMS_CHM_RECORDER:2023/05/11|02:56:38.069|6|LOC|4|27.71|30|NS|5620|MAIN
1|YG73.5207|9050|3741|NS|5620|MAIN 1|YG75.8707|9053|331|2|5|41.61
SYS :2023/05/11 02:56:38.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:38.076:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:38.929:LOCATION:location_validate_best_on_route_sol: last DR time
1683773798.57 GPS time 1683773799.0
SYS :2023/05/11 02:56:38.929:LOCATION:dead_reckoner: DR position [NS:5620,9050:3700] overwritten
with Abs pos[NS:5620,9050:3664] GPS time gap[-0.071000] GPS dist gap[-2.885440]
WARN:2023/05/11 02:56:38.929:LOCATION:dead_reckoner: GPS time gap[-0.071000] negative wrt
current time
SYS :2023/05/11 02:56:39.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3660]
CHR :2023/05/11
02:56:39.063:VETMS_CHM_RECORDER:2023/05/11|02:56:39.063|6|LOC|4|27.72|30|NS|5620|MAIN
1|YG73.5126|9050|3700|NS|5620|MAIN 1|YG75.8636|9053|290|2|5|41.61
SYS :2023/05/11 02:56:39.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:39.070:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:39.616:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-12467] ignoring updates.
WARN:2023/05/11 02:56:39.616:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:56:39.616:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
WARN:2023/05/11 02:56:39.616:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:56:39.617:VETMS_CHM_RECORDER:2023/05/11|02:56:39.617|22|EMF|3|5100|2
CHR :2023/05/11 02:56:39.617:VETMS_CHM_RECORDER:2023/05/11|02:56:39.617|22|EMF|3|5100|2
CHR :2023/05/11 02:56:39.617:VETMS_CHM_RECORDER:2023/05/11|02:56:39.617|22|EMF|3|5100|2
WARN:2023/05/11 02:56:39.642:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:39.642:VETMS_CHM_RECORDER:2023/05/11|02:56:39.642|22|EMF|3|5100|2
SYS :2023/05/11 02:56:39.923:LOCATION:location_validate_best_on_route_sol: last DR time
1683773799.52 GPS time 1683773800.0
SYS :2023/05/11 02:56:39.923:LOCATION:dead_reckoner: DR position [NS:5620,9050:3660] overwritten

with Abs pos[NS:5620,9050:3624] GPS time gap[-0.077000] GPS dist gap[-3.132437]
WARN:2023/05/11 02:56:39.923:LOCATION:dead_reckoner: GPS time gap[-0.077000] negative wrt
current time
SYS :2023/05/11 02:56:40.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3619]
CHR :2023/05/11
02:56:40.065:VETMS_CHM_RECORDER:2023/05/11|02:56:40.065|6|LOC|4|27.74|30|NS|5620|MAIN
1|YG73.5046|9050|3660|NS|5620|MAIN 1|YG75.8567|9053|250|2|5|41.61
SYS :2023/05/11 02:56:40.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:40.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:40.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773800.52 GPS time 1683773801.0
SYS :2023/05/11 02:56:40.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:3619] overwritten
with Abs pos[NS:5620,9050:3583] GPS time gap[-0.087000] GPS dist gap[-3.542727]
WARN:2023/05/11 02:56:40.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:56:41.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3578]
CHR :2023/05/11
02:56:41.064:VETMS_CHM_RECORDER:2023/05/11|02:56:41.064|6|LOC|4|27.77|30|NS|5620|MAIN
1|YG73.4965|9050|3619|NS|5620|MAIN 1|YG75.8496|9053|209|2|5|41.61
SYS :2023/05/11 02:56:41.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:41.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:41.907:LOCATION:location_validate_best_on_route_sol: last DR time
1683773801.51 GPS time 1683773802.0
SYS :2023/05/11 02:56:41.907:LOCATION:dead_reckoner: DR position [NS:5620,9050:3578] overwritten
with Abs pos[NS:5620,9050:3543] GPS time gap[-0.093000] GPS dist gap[-3.790866]
WARN:2023/05/11 02:56:41.907:LOCATION:dead_reckoner: GPS time gap[-0.093000] negative wrt
current time
SYS :2023/05/11 02:56:42.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3538]
CHR :2023/05/11
02:56:42.063:VETMS_CHM_RECORDER:2023/05/11|02:56:42.062|5|GPS|3|1|40:59.2459|N|80:24.0164|W|2|09|
1.1
CHR :2023/05/11
02:56:42.063:VETMS_CHM_RECORDER:2023/05/11|02:56:42.063|5|GPS|3|2|40:59.2433|N|80:24.0188|W|2|09|
1.1
CHR :2023/05/11
02:56:42.063:VETMS_CHM_RECORDER:2023/05/11|02:56:42.063|6|LOC|4|27.80|30|NS|5620|MAIN
1|YG73.4883|9050|3578|NS|5620|MAIN 1|YG75.8425|9053|168|2|5|41.61
SYS :2023/05/11 02:56:42.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:42.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:42.899:LOCATION:location_validate_best_on_route_sol: last DR time
1683773802.52 GPS time 1683773803.0
SYS :2023/05/11 02:56:42.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:3538] overwritten
with Abs pos[NS:5620,9050:3502] GPS time gap[-0.101000] GPS dist gap[-4.117972]
WARN:2023/05/11 02:56:42.899:LOCATION:dead_reckoner: GPS time gap[-0.101000] negative wrt
current time
SYS :2023/05/11 02:56:43.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3496]
CHR :2023/05/11
02:56:43.064:VETMS_CHM_RECORDER:2023/05/11|02:56:43.064|6|LOC|4|27.81|30|NS|5620|MAIN

```

1|YG73.4803|9050|3538|NS|5620|MAIN 1|YG75.8356|9053|128|2|5|41.61
SYS :2023/05/11 02:56:43.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:43.075:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:43.479:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-12629] ignoring updates.
WARN:2023/05/11 02:56:43.610:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
CHR :2023/05/11 02:56:43.610:VETMS_CHM_RECORDER:2023/05/11|02:56:43.610|22|EMF|3|5100|2
WARN:2023/05/11 02:56:43.624:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:43.624:VETMS_CHM_RECORDER:2023/05/11|02:56:43.624|22|EMF|3|5100|2
WARN:2023/05/11 02:56:43.662:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[-3] seconds!
CHR :2023/05/11 02:56:43.662:VETMS_CHM_RECORDER:2023/05/11|02:56:43.662|22|EMF|3|5100|2
WARN:2023/05/11 02:56:43.690:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:43.690:VETMS_CHM_RECORDER:2023/05/11|02:56:43.690|22|EMF|3|5100|2
SYS :2023/05/11 02:56:43.930:LOCATION:location_validate_best_on_route_sol: last DR time
1683773803.52 GPS time 1683773804.0
SYS :2023/05/11 02:56:43.930:LOCATION:dead_reckoner: DR position [NS:5620,9050:3496] overwritten
with Abs pos[NS:5620,9050:3462] GPS time gap[-0.070000] GPS dist gap[-2.852570]
WARN:2023/05/11 02:56:43.930:LOCATION:dead_reckoner: GPS time gap[-0.070000] negative wrt
current time
SYS :2023/05/11 02:56:44.051:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3458]
SYS :2023/05/11 02:56:44.057:OFFBOARD_POS_RPTR:lib_rr_get_subdiv_bos_address: Found Sub BOS
Address[ns.b:g.05620] for [NS :5620]
SYS :2023/05/11 02:56:44.057:OFFBOARD_POS_RPTR:lib_rr_get_polygon_bos_address: Using Subdiv BOS
Address[ns.b:g.05620] for SCAC [NS ]
CHR :2023/05/11
02:56:44.064:VETMS_CHM_RECORDER:2023/05/11|02:56:44.064|6|LOC|4|27.79|30|NS|5620|MAIN
1|YG73.4720|9050|3496|NS|5620|MAIN 1|YG75.8284|9053|86|2|5|41.61
OTX :2023/05/11 02:56:44.064:OTC_TX:Sending Office msg [2080], Seq # [0x1b3], Dest [ns.b:g.05620]
OTXD:2023/05/11 02:56:44.064:OTC_TX:000 | 04 08 20 05 11 00 00 52 00 00 01 b3 64 5c 59 6c | ..
....R....d\Yl
OTXD:2023/05/11 02:56:44.064:OTC_TX:001 | 22 01 2c 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | ".,.
ns.l.ns.434
OTXD:2023/05/11 02:56:44.064:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 67 2e 30 35 36 |
2:itc.ns.b:g.056
SYS :2023/05/11 02:56:44.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
OTXD:2023/05/11 02:56:44.064:OTC_TX:003 | 32 30 00 4e 53 20 20 00 00 00 00 00 0b 36 00 02 |
20.NS .....6..
OTXD:2023/05/11 02:56:44.064:OTC_TX:004 | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..
OTXD:2023/05/11 02:56:44.064:OTC_TX:005 | 00 0b 92 0c 02 59 47 00 06 4d 41 49 4e 20 31 4e |
.....YG..MAIN 1N
OTXD:2023/05/11 02:56:44.064:OTC_TX:006 | 53 20 20 15 f4 1b 00 11 02 04 ca ea 2a e3 a9 b9 | S
.....*...

```

```

OTXD:2023/05/11 02:56:44.065:OTC_TX:007 | 53 18 ce 00 79 02 01 07 e7 05 0b 02 38 2c 01 05 |
S...y.....8,..
OTXD:2023/05/11 02:56:44.065:OTC_TX:008 | 04 00 00 00 00 84 92 d0 92 |
.....
SYS :2023/05/11 02:56:44.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:56:44.086:VETMS_CHM_RECORDER:2023/05/11|02:56:44.086|21|EMP|2|2080|1|1|0408200511000052000001b
3645c596c22012c00206e732e6c2e6e732e343334323a697463006e732e623a672e3035363230004e5320200000000000
0b360002594700064d41494e20314e53202015f4000b920c02594700064d41494e20314e53202015f41b00110204ca
CHR :2023/05/11
02:56:44.086:VETMS_CHM_RECORDER:ea2ae3a9b95318ce0079020107e7050b02382c010504000000008492d092
SYS :2023/05/11 02:56:44.924:LOCATION:location_validate_best_on_route_sol: last DR time
1683773804.51 GPS time 1683773805.0
SYS :2023/05/11 02:56:44.924:LOCATION:dead_reckoner: DR position [NS:5620,9050:3458] overwritten
with Abs pos[NS:5620,9050:3422] GPS time gap[-0.076000] GPS dist gap[-3.094796]
WARN:2023/05/11 02:56:44.924:LOCATION:dead_reckoner: GPS time gap[-0.076000] negative wrt
current time
SYS :2023/05/11 02:56:45.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3417]
SYS :2023/05/11 02:56:45.052:SIGNAL_AUTHORITY:sa_monitor_orientation_segments: [1] Removing
non-occupied [Facing] [FWD] orientation segment from [ NS:05620:009053:14442][405'] ID[
NS:00:05620:0000000101:009053:14442] to [ NS:05620:009053:00033][14814'] ID[
NS:00:05620:0000000095:009053:00033].
SYS :2023/05/11 02:56:45.052:SIGNAL_AUTHORITY:sa_monitor_orientation_segments: Current WCA-TE
Dist [14816']
CHR :2023/05/11
02:56:45.063:VETMS_CHM_RECORDER:2023/05/11|02:56:45.063|6|LOC|4|27.77|30|NS|5620|MAIN
1|YG73.4644|9050|3458|NS|5620|MAIN 1|YG75.8218|9053|48|2|5|41.61
SYS :2023/05/11 02:56:45.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:45.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:45.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773805.52 GPS time 1683773806.0
SYS :2023/05/11 02:56:45.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:3417] overwritten
with Abs pos[NS:5620,9050:3381] GPS time gap[-0.088000] GPS dist gap[-3.581688]
WARN:2023/05/11 02:56:45.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt
current time
SYS :2023/05/11 02:56:46.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3376]
SYS :2023/05/11 02:56:46.057:OFFBOARD_POS_RPTR:lib_rr_get_subdiv_bos_address: Found Sub BOS
Address[ns.b:g.05620] for [NS :5620]
SYS :2023/05/11 02:56:46.057:OFFBOARD_POS_RPTR:lib_rr_get_polygon_bos_address: Using Subdiv BOS
Address[ns.b:g.05620] for SCAC [NS ]
CHR :2023/05/11
02:56:46.066:VETMS_CHM_RECORDER:2023/05/11|02:56:46.066|6|LOC|4|27.76|30|NS|5620|MAIN
1|YG73.4562|9050|3417|NS|5620|MAIN 1|YG75.8148|9053|7|2|5|41.61
OTX :2023/05/11 02:56:46.067:OTC_TX:Sending Office msg [2080], Seq # [0x1b4], Dest [ns.b:g.05620]
OTXD:2023/05/11 02:56:46.067:OTC_TX:000 | 04 08 20 05 11 00 00 52 00 00 01 b4 64 5c 59 6e | ..
....R....d\Yn
SYS :2023/05/11 02:56:46.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
OTXD:2023/05/11 02:56:46.067:OTC_TX:001 | 22 01 2c 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | "...
ns.l.ns.434
OTXD:2023/05/11 02:56:46.067:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 67 2e 30 35 36 |

```

```

2:itc.ns.b:g.056
OTXD:2023/05/11 02:56:46.067:OTC_TX:003 | 32 30 00 4e 53 20 20 00 00 00 00 00 0b 35 62 02 |
20.NS .....5b.
OTXD:2023/05/11 02:56:46.067:OTC_TX:004 | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..
OTXD:2023/05/11 02:56:46.067:OTC_TX:005 | 00 0b 91 84 02 59 47 00 06 4d 41 49 4e 20 31 4e |
.....YG..MAIN 1N
OTXD:2023/05/11 02:56:46.067:OTC_TX:006 | 53 20 20 15 f4 1b 00 11 02 04 ca e3 76 e3 a9 bd | S
.....v...
OTXD:2023/05/11 02:56:46.067:OTC_TX:007 | 02 18 ce 05 f3 02 0c 07 e7 05 0b 02 38 2e 01 05 |
.....8...
OTXD:2023/05/11 02:56:46.067:OTC_TX:008 | 04 00 00 00 00 dd ae 43 ba |
.....C.
SYS :2023/05/11 02:56:46.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:56:46.091:VETMS_CHM_RECORDER:2023/05/11|02:56:46.091|21|EMP|2|2080|1|1|0408200511000052000001b
4645c596e22012c00206e732e6c2e6e732e343334323a697463006e732e623a672e3035363230004e5320200000000000
0b356202594700064d41494e20314e53202015f4000b918402594700064d41494e20314e53202015f41b00110204ca
CHR :2023/05/11
02:56:46.091:VETMS_CHM_RECORDER:e376e3a9bd0218ce05f3020c07e7050b02382e01050400000000ddae43ba
SYS :2023/05/11 02:56:46.910:LOCATION:location_validate_best_on_route_sol: last DR time
1683773806.52 GPS time 1683773807.0
SYS :2023/05/11 02:56:46.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:3376] overwritten
with Abs pos[NS:5620,9050:3340] GPS time gap[-0.090000] GPS dist gap[-3.665790]
WARN:2023/05/11 02:56:46.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time
SYS :2023/05/11 02:56:47.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3335]
CHR :2023/05/11
02:56:47.067:VETMS_CHM_RECORDER:2023/05/11|02:56:47.067|5|GPS|3|1|40:59.2716|N|80:24.0445|W|2|09|
1.1
CHR :2023/05/11
02:56:47.067:VETMS_CHM_RECORDER:2023/05/11|02:56:47.067|5|GPS|3|2|40:59.2693|N|80:24.0464|W|2|09|
1.1
CHR :2023/05/11
02:56:47.067:VETMS_CHM_RECORDER:2023/05/11|02:56:47.067|6|LOC|4|27.78|30|NS|5620|MAIN
1|YG73.4481|9050|3376|NS|5620|MAIN 1|YG75.8077|9052|351|2|5|41.61
SYS :2023/05/11 02:56:47.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:47.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:47.526:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:47.526:VETMS_CHM_RECORDER:2023/05/11|02:56:47.526|22|EMF|3|5100|2
SYS :2023/05/11 02:56:47.608:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-12791] ignoring updates.
WARN:2023/05/11 02:56:47.650:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
SYS :2023/05/11 02:56:47.650:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-12791] ignoring updates.
WARN:2023/05/11 02:56:47.650:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is

```

```
[0] seconds!  
CHR :2023/05/11 02:56:47.651:VETMS_CHM_RECORDER:2023/05/11|02:56:47.651|22|EMF|3|5100|2  
CHR :2023/05/11 02:56:47.651:VETMS_CHM_RECORDER:2023/05/11|02:56:47.651|22|EMF|3|5100|2  
WARN:2023/05/11 02:56:47.748:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU  
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference  
is [0] seconds!  
CHR :2023/05/11 02:56:47.748:VETMS_CHM_RECORDER:2023/05/11|02:56:47.748|22|EMF|3|5100|2  
SYS :2023/05/11 02:56:47.905:LOCATION:location_validate_best_on_route_sol: last DR time  
1683773807.52 GPS time 1683773808.0  
SYS :2023/05/11 02:56:47.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:3335] overwritten  
with Abs pos[NS:5620,9050:3300] GPS time gap[-0.095000] GPS dist gap[-3.870395]  
WARN:2023/05/11 02:56:47.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt  
current time  
SYS :2023/05/11 02:56:48.057:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3294]  
CHR :2023/05/11  
02:56:48.070:VETMS_CHM_RECORDER:2023/05/11|02:56:48.070|6|LOC|4|27.78|30|NS|5620|MAIN  
1|YG73.4399|9050|3335|NS|5620|MAIN 1|YG75.8007|9052|310|2|5|41.61  
SYS :2023/05/11 02:56:48.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested  
Unmonitored Switch[1000022] logical[2] status[0]  
SYS :2023/05/11 02:56:48.080:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch  
[NS:5620:1000022] is aligned to NORMAL position  
SYS :2023/05/11 02:56:48.222:TRACK_MAP:data analysis complete  
SYS :2023/05/11 02:56:48.919:LOCATION:location_validate_best_on_route_sol: last DR time  
1683773808.57 GPS time 1683773809.0  
SYS :2023/05/11 02:56:48.919:LOCATION:dead_reckoner: DR position [NS:5620,9050:3294] overwritten  
with Abs pos[NS:5620,9050:3260] GPS time gap[-0.081000] GPS dist gap[-3.302532]  
WARN:2023/05/11 02:56:48.919:LOCATION:dead_reckoner: GPS time gap[-0.081000] negative wrt  
current time  
SYS :2023/05/11 02:56:49.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3255]  
CHR :2023/05/11  
02:56:49.064:VETMS_CHM_RECORDER:2023/05/11|02:56:49.064|6|LOC|4|27.81|30|NS|5620|MAIN  
1|YG73.4318|9050|3294|NS|5620|MAIN 1|YG75.7936|9052|269|2|5|41.61  
SYS :2023/05/11 02:56:49.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested  
Unmonitored Switch[1000022] logical[2] status[0]  
SYS :2023/05/11 02:56:49.071:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch  
[NS:5620:1000022] is aligned to NORMAL position  
SYS :2023/05/11 02:56:49.945:LOCATION:location_validate_best_on_route_sol: last DR time  
1683773809.52 GPS time 1683773810.0  
SYS :2023/05/11 02:56:49.945:LOCATION:dead_reckoner: DR position [NS:5620,9050:3255] overwritten  
with Abs pos[NS:5620,9050:3219] GPS time gap[-0.055000] GPS dist gap[-2.243010]  
WARN:2023/05/11 02:56:49.945:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt  
current time  
SYS :2023/05/11 02:56:50.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3215]  
CHR :2023/05/11  
02:56:50.065:VETMS_CHM_RECORDER:2023/05/11|02:56:50.065|6|LOC|4|27.81|30|NS|5620|MAIN  
1|YG73.4240|9050|3255|NS|5620|MAIN 1|YG75.7869|9052|230|2|5|41.61  
SYS :2023/05/11 02:56:50.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested  
Unmonitored Switch[1000022] logical[2] status[0]  
SYS :2023/05/11 02:56:50.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch  
[NS:5620:1000022] is aligned to NORMAL position  
SYS :2023/05/11 02:56:50.197:LOCATION:location_validate_best_on_route_sol: duplicate solution  
ignored, last DR time 1683773810.52 GPS time 1683773810.0  
SYS :2023/05/11 02:56:50.197:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3209]  
SYS :2023/05/11 02:56:50.908:LOCATION:location_validate_best_on_route_sol: last DR time
```

1683773810.197 GPS time 1683773811.0
SYS :2023/05/11 02:56:50.908:LOCATION:dead_reckoner: DR position [NS:5620,9050:3209] overwritten with Abs pos[NS:5620,9050:3179] GPS time gap[-0.092000] GPS dist gap[-3.752864]
WARN:2023/05/11 02:56:50.908:LOCATION:dead_reckoner: GPS time gap[-0.092000] negative wrt current time
SYS :2023/05/11 02:56:51.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3174]
CHR :2023/05/11
02:56:51.065:VETMS_CHM_RECORDER:2023/05/11|02:56:51.065|6|LOC|4|27.82|30|NS|5620|MAIN
1|YG73.4160|9050|3215|NS|5620|MAIN 1|YG75.7800|9052|190|2|5|41.61
SYS :2023/05/11 02:56:51.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:51.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:51.222:TRACK_MAP:data analysis complete
SYS :2023/05/11 02:56:51.640:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is [-12952] ignoring updates.
WARN:2023/05/11 02:56:51.640:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [0] seconds!
WARN:2023/05/11 02:56:51.641:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:56:51.641:VETMS_CHM_RECORDER:2023/05/11|02:56:51.641|22|EMF|3|5100|2
CHR :2023/05/11 02:56:51.641:VETMS_CHM_RECORDER:2023/05/11|02:56:51.641|22|EMF|3|5100|2
WARN:2023/05/11 02:56:51.715:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:56:51.715:VETMS_CHM_RECORDER:2023/05/11|02:56:51.715|22|EMF|3|5100|2
WARN:2023/05/11 02:56:51.770:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is [-3] seconds!
CHR :2023/05/11 02:56:51.771:VETMS_CHM_RECORDER:2023/05/11|02:56:51.771|22|EMF|3|5100|2
SYS :2023/05/11 02:56:51.905:LOCATION:location_validate_best_on_route_sol: last DR time 1683773811.52 GPS time 1683773812.0
SYS :2023/05/11 02:56:51.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:3174] overwritten with Abs pos[NS:5620,9050:3138] GPS time gap[-0.095000] GPS dist gap[-3.877140]
WARN:2023/05/11 02:56:51.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt current time
SYS :2023/05/11 02:56:52.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3133]
CHR :2023/05/11
02:56:52.066:VETMS_CHM_RECORDER:2023/05/11|02:56:52.066|5|GPS|3|1|40:59.2974|N|80:24.0724|W|2|09|1.1
CHR :2023/05/11
02:56:52.066:VETMS_CHM_RECORDER:2023/05/11|02:56:52.066|5|GPS|3|2|40:59.2952|N|80:24.0745|W|2|09|1.1
CHR :2023/05/11
02:56:52.066:VETMS_CHM_RECORDER:2023/05/11|02:56:52.066|6|LOC|4|27.83|30|NS|5620|MAIN
1|YG73.4079|9050|3174|NS|5620|MAIN 1|YG75.7729|9052|149|2|5|41.61
SYS :2023/05/11 02:56:52.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:52.089:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:52.919:LOCATION:location_validate_best_on_route_sol: last DR time 1683773812.52 GPS time 1683773813.0

```
SYS :2023/05/11 02:56:52.919:LOCATION:dead_reckoner: DR position [NS:5620,9050:3133] overwritten
with Abs pos[NS:5620,9050:3098] GPS time gap[-0.081000] GPS dist gap[-3.307392]
WARN:2023/05/11 02:56:52.919:LOCATION:dead_reckoner: GPS time gap[-0.081000] negative wrt
current time
SYS :2023/05/11 02:56:53.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3093]
SYS :2023/05/11 02:56:53.061:SYSTEM_STATE:system state is [sysACTIVE]
SYS :2023/05/11 02:56:53.061:SYSTEM_STATE:system sub-state is [subNOT_APPLICABLE]
SYS :2023/05/11 02:56:53.061:SYSTEM_STATE:slice state is [SECONDARY]
CHR :2023/05/11
02:56:53.065:VETMS_CHM_RECORDER:2023/05/11|02:56:53.065|6|LOC|4|27.85|30|NS|5620|MAIN
1|YG73.3997|9050|3133|NS|5620|MAIN 1|YG75.7658|9052|108|2|5|41.61
SYS :2023/05/11 02:56:53.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:53.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:53.892:LOCATION:location_validate_best_on_route_sol: last DR time
1683773813.52 GPS time 1683773814.0
SYS :2023/05/11 02:56:53.892:LOCATION:dead_reckoner: DR position [NS:5620,9050:3093] overwritten
with Abs pos[NS:5620,9050:3057] GPS time gap[-0.108000] GPS dist gap[-4.412016]
WARN:2023/05/11 02:56:53.892:LOCATION:dead_reckoner: GPS time gap[-0.108000] negative wrt
current time
SYS :2023/05/11 02:56:54.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3051]
CHR :2023/05/11
02:56:54.064:VETMS_CHM_RECORDER:2023/05/11|02:56:54.064|6|LOC|4|27.86|30|NS|5620|MAIN
1|YG73.3918|9050|3093|NS|5620|MAIN 1|YG75.7589|9052|68|2|5|41.61
SYS :2023/05/11 02:56:54.061:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:54.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:54.912:LOCATION:location_validate_best_on_route_sol: last DR time
1683773814.52 GPS time 1683773815.0
SYS :2023/05/11 02:56:54.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:3051] overwritten
with Abs pos[NS:5620,9050:3017] GPS time gap[-0.088000] GPS dist gap[-3.596824]
WARN:2023/05/11 02:56:54.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt
current time
SYS :2023/05/11 02:56:55.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:3012]
CHR :2023/05/11
02:56:55.065:VETMS_CHM_RECORDER:2023/05/11|02:56:55.065|6|LOC|4|27.87|30|NS|5620|MAIN
1|YG73.3834|9050|3051|NS|5620|MAIN 1|YG75.7517|9052|26|2|5|41.61
SYS :2023/05/11 02:56:55.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:55.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:55.222:TRACK_MAP:data analysis complete
SYS :2023/05/11 02:56:55.621:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-13116] ignoring updates.
SYS :2023/05/11 02:56:55.655:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [95] is
[-13116] ignoring updates.
WARN:2023/05/11 02:56:55.655:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306401] WIUSubDivID:[5] as the current sent time and previous sent time difference is
[0] seconds!
WARN:2023/05/11 02:56:55.656:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
```

CHR :2023/05/11 02:56:55.656:VETMS_CHM_RECORDER:2023/05/11|02:56:55.656|22|EMF|3|5100|2
CHR :2023/05/11 02:56:55.656:VETMS_CHM_RECORDER:2023/05/11|02:56:55.656|22|EMF|3|5100|2
WARN:2023/05/11 02:56:55.682:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:55.682:VETMS_CHM_RECORDER:2023/05/11|02:56:55.682|22|EMF|3|5100|2
WARN:2023/05/11 02:56:55.793:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:56:55.793:VETMS_CHM_RECORDER:2023/05/11|02:56:55.793|22|EMF|3|5100|2
SYS :2023/05/11 02:56:55.923:LOCATION:location_validate_best_on_route_sol: last DR time
1683773815.52 GPS time 1683773816.0
SYS :2023/05/11 02:56:55.923:LOCATION:dead_reckoner: DR position [NS:5620,9050:3012] overwritten
with Abs pos[NS:5620,9050:2976] GPS time gap[-0.077000] GPS dist gap[-3.149531]
WARN:2023/05/11 02:56:55.923:LOCATION:dead_reckoner: GPS time gap[-0.077000] negative wrt
current time
SYS :2023/05/11 02:56:56.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2971]
CHR :2023/05/11
02:56:56.065:VETMS_CHM_RECORDER:2023/05/11|02:56:56.065|6|LOC|4|27.89|30|NS|5620|MAIN
1|YG73.3756|9050|3012|NS|5620|MAIN 1|YG75.7450|9051|87|2|5|41.61
SYS :2023/05/11 02:56:56.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:56.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ERR :2023/05/11 02:56:56.091:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:56:56.926:LOCATION:location_validate_best_on_route_sol: last DR time
1683773816.52 GPS time 1683773817.0
SYS :2023/05/11 02:56:56.926:LOCATION:dead_reckoner: DR position [NS:5620,9050:2971] overwritten
with Abs pos[NS:5620,9050:2935] GPS time gap[-0.074000] GPS dist gap[-3.028302]
WARN:2023/05/11 02:56:56.926:LOCATION:dead_reckoner: GPS time gap[-0.074000] negative wrt
current time
SYS :2023/05/11 02:56:57.063:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2930]
CHR :2023/05/11
02:56:57.074:VETMS_CHM_RECORDER:2023/05/11|02:56:57.074|5|GPS|3|1|40:59.3231|N|80:24.1006|W|2|09|
1.1
CHR :2023/05/11
02:56:57.074:VETMS_CHM_RECORDER:2023/05/11|02:56:57.074|5|GPS|3|2|40:59.3210|N|80:24.1024|W|2|09|
1.4
SYS :2023/05/11 02:56:57.072:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:56:57.074:VETMS_CHM_RECORDER:2023/05/11|02:56:57.074|6|LOC|4|27.91|40|NS|5620|MAIN
1|YG73.3675|9050|2971|NS|5620|MAIN 1|YG75.7379|9051|46|2|5|41.61
SYS :2023/05/11 02:56:57.086:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:57.194:DSP_MGR:BANNER: max speed change from [MAX SPEED 30 MPH] -> [MAX
SPEED 40 MPH] is pending...
SYS :2023/05/11 02:56:57.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773817.62 GPS time 1683773818.0
SYS :2023/05/11 02:56:57.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:2930] overwritten
with Abs pos[NS:5620,9050:2895] GPS time gap[-0.087000] GPS dist gap[-3.561171]
WARN:2023/05/11 02:56:57.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:56:58.060:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2889]

CHR :2023/05/11
02:56:58.074:VETMS_CHM_RECORDER:2023/05/11|02:56:58.074|6|LOC|4|27.92|40|NS|5620|MAIN
1|YG73.3593|9050|2930|NS|5620|MAIN 1|YG75.7309|9051|5|2|5|41.61
SYS :2023/05/11 02:56:58.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:58.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:56:59.052:DATASET_MGR:get_poll_rate: Subdivision 'NS ':9904 assigned default
SLOW poll rate - cannot determine distance
SYS :2023/05/11 02:56:59.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2849]
SYS :2023/05/11 02:56:59.063:LOCATION:location_validate_best_on_route_sol: duplicate solution
ignored, last DR time 1683773819.52 GPS time 1683773818.0
CHR :2023/05/11
02:56:59.066:VETMS_CHM_RECORDER:2023/05/11|02:56:59.066|6|LOC|4|27.94|40|NS|5620|MAIN
1|YG73.3512|9050|2889|NS|5620|MAIN 1|YG75.7232|9050|15613|2|5|41.61
SYS :2023/05/11 02:56:59.063:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2848]
SYS :2023/05/11 02:56:59.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:56:59.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:56:59.196:DSP_MGR:BANNER: max speed changed from [MAX SPEED 30 MPH] -> [MAX
SPEED 40 MPH]
SYS :2023/05/11 02:56:59.197:LOCATION:location_validate_best_on_route_sol: last DR time
1683773819.63 GPS time 1683773819.0
SYS :2023/05/11 02:56:59.197:LOCATION:dead_reckoner: DR position [NS:5620,9050:2848] overwritten
with Abs pos[NS:5620,9050:2854] GPS time gap[0.197000] GPS dist gap[8.077788]
SYS :2023/05/11 02:56:59.197:LOCATION:dead_reckoner: navigated for GPS latency, new
pos[NS:5620,9050:2846] GPS time gap[0.197000] GPS dist gap[8.077788]
WARN:2023/05/11 02:56:59.598:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:59.598:VETMS_CHM_RECORDER:2023/05/11|02:56:59.598|22|EMF|3|5100|2
WARN:2023/05/11 02:56:59.628:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:56:59.628:VETMS_CHM_RECORDER:2023/05/11|02:56:59.628|22|EMF|3|5100|2
SYS :2023/05/11 02:56:59.899:LOCATION:location_validate_best_on_route_sol: last DR time
1683773819.197 GPS time 1683773820.0
SYS :2023/05/11 02:56:59.899:LOCATION:dead_reckoner: DR position [NS:5620,9050:2846] overwritten
with Abs pos[NS:5620,9050:2813] GPS time gap[-0.101000] GPS dist gap[-4.141404]
WARN:2023/05/11 02:56:59.899:LOCATION:dead_reckoner: GPS time gap[-0.101000] negative wrt
current time
SYS :2023/05/11 02:57:00.058:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2807]
CHR :2023/05/11
02:57:00.070:VETMS_CHM_RECORDER:2023/05/11|02:57:00.070|6|LOC|4|27.96|40|NS|5620|MAIN
1|YG73.3432|9050|2849|NS|5620|MAIN 1|YG75.7157|9050|15573|2|5|41.61
SYS :2023/05/11 02:57:00.069:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:00.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:00.096:ENFORCEMENT: ,SPD,28.0,mph,LL:MP,73.3315, NS, 5620, 9050,
2790,TL,MP,75.7110, NS, 5620,
9050,15548,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM
State,0,TN,008,TE,00504,DBON,0,DBE,00293,PCS,0,STS,00,GRD,

0.04%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0170741,LRF,-0001569,L
BF,+0000000,CRF,-0046471,CBF,+0000000,GF,-0018740,CF,-0005950,
SYS :2023/05/11
02:57:00.097:ENFORCEMENT:,PA,0.05150,*,AA,0.02030,TTE,***,DTE,***,TD,***,ECL,01373,ECT,48,EMS,28.
2,BCL,02511,BCT,75,BMS,28.2,PCL,01870,PCT,46,WCL,02754,WCT,78,WMS,30.1,SFO,0304,
SYS :2023/05/11 02:57:00.920:LOCATION:location_validate_best_on_route_sol: last DR time
1683773820.58 GPS time 1683773821.0
SYS :2023/05/11 02:57:00.920:LOCATION:dead_reckoner: DR position [NS:5620,9050:2807] overwritten
with Abs pos[NS:5620,9050:2773] GPS time gap[-0.080000] GPS dist gap[-3.282720]
WARN:2023/05/11 02:57:00.921:LOCATION:dead_reckoner: GPS time gap[-0.080000] negative wrt
current time
SYS :2023/05/11 02:57:01.059:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2768]
CHR :2023/05/11
02:57:01.072:VETMS_CHM_RECORDER:2023/05/11|02:57:01.072|6|LOC|4|27.98|40|NS|5620|MAIN
1|YG73.3348|9050|2807|NS|5620|MAIN 1|YG75.7079|9050|15531|2|5|41.61
SYS :2023/05/11 02:57:01.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:01.083:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:01.942:LOCATION:location_validate_best_on_route_sol: last DR time
1683773821.59 GPS time 1683773822.0
SYS :2023/05/11 02:57:01.942:LOCATION:dead_reckoner: DR position [NS:5620,9050:2768] overwritten
with Abs pos[NS:5620,9050:2732] GPS time gap[-0.058000] GPS dist gap[-2.381770]
WARN:2023/05/11 02:57:01.942:LOCATION:dead_reckoner: GPS time gap[-0.058000] negative wrt
current time
SYS :2023/05/11 02:57:02.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2728]
CHR :2023/05/11
02:57:02.065:VETMS_CHM_RECORDER:2023/05/11|02:57:02.065|5|GPS|3|1|40:59.3488|N|80:24.1288|W|2|09|
1.1
CHR :2023/05/11
02:57:02.065:VETMS_CHM_RECORDER:2023/05/11|02:57:02.065|5|GPS|3|2|40:59.3463|N|80:24.1305|W|2|09|
1.1
CHR :2023/05/11
02:57:02.065:VETMS_CHM_RECORDER:2023/05/11|02:57:02.065|6|LOC|4|28.01|40|NS|5620|MAIN
1|YG73.3271|9050|2768|NS|5620|MAIN 1|YG75.7005|9050|15492|2|5|41.61
SYS :2023/05/11 02:57:02.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:02.090:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:02.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773822.52 GPS time 1683773823.0
SYS :2023/05/11 02:57:02.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:2728] overwritten
with Abs pos[NS:5620,9050:2691] GPS time gap[-0.097000] GPS dist gap[-3.985245]
WARN:2023/05/11 02:57:02.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
SYS :2023/05/11 02:57:03.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2685]
CHR :2023/05/11
02:57:03.065:VETMS_CHM_RECORDER:2023/05/11|02:57:03.065|6|LOC|4|28.02|40|NS|5620|MAIN
1|YG73.3191|9050|2728|NS|5620|MAIN 1|YG75.6930|9050|15452|2|5|41.61
SYS :2023/05/11 02:57:03.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:03.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:57:03.620:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU

ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:57:03.620:VETMS_CHM_RECORDER:2023/05/11|02:57:03.620|22|EMF|3|5100|2
WARN:2023/05/11 02:57:03.663:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:57:03.663:VETMS_CHM_RECORDER:2023/05/11|02:57:03.663|22|EMF|3|5100|2
SYS :2023/05/11 02:57:03.911:LOCATION:location_validate_best_on_route_sol: last DR time 1683773823.53 GPS time 1683773824.0
SYS :2023/05/11 02:57:03.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:2685] overwritten with Abs pos[NS:5620,9050:2650] GPS time gap[-0.088000] GPS dist gap[-3.617240]
WARN:2023/05/11 02:57:03.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt current time
SYS :2023/05/11 02:57:04.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2645]
CHR :2023/05/11
02:57:04.065:VETMS_CHM_RECORDER:2023/05/11|02:57:04.065|6|LOC|4|28.03|40|NS|5620|MAIN 1|YG73.3106|9050|2685|NS|5620|MAIN 1|YG75.6850|9050|15409|2|5|41.61
SYS :2023/05/11 02:57:04.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:04.071:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:04.222:TRACK_MAP:data analysis complete
SYS :2023/05/11 02:57:04.920:LOCATION:location_validate_best_on_route_sol: last DR time 1683773824.53 GPS time 1683773825.0
SYS :2023/05/11 02:57:04.920:LOCATION:dead_reckoner: DR position [NS:5620,9050:2645] overwritten with Abs pos[NS:5620,9050:2609] GPS time gap[-0.080000] GPS dist gap[-3.292480]
WARN:2023/05/11 02:57:04.920:LOCATION:dead_reckoner: GPS time gap[-0.080000] negative wrt current time
SYS :2023/05/11 02:57:05.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2604]
CHR :2023/05/11
02:57:05.064:VETMS_CHM_RECORDER:2023/05/11|02:57:05.064|6|LOC|4|28.07|40|NS|5620|MAIN 1|YG73.3026|9050|2645|NS|5620|MAIN 1|YG75.6775|9050|15369|2|5|41.61
SYS :2023/05/11 02:57:05.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:05.075:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:05.919:LOCATION:location_validate_best_on_route_sol: last DR time 1683773825.53 GPS time 1683773826.0
SYS :2023/05/11 02:57:05.919:LOCATION:dead_reckoner: DR position [NS:5620,9050:2604] overwritten with Abs pos[NS:5620,9050:2569] GPS time gap[-0.081000] GPS dist gap[-3.335256]
WARN:2023/05/11 02:57:05.919:LOCATION:dead_reckoner: GPS time gap[-0.081000] negative wrt current time
SYS :2023/05/11 02:57:06.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2564]
SYS :2023/05/11 02:57:06.053:SIGNAL_AUTHORITY:sa_monitor_orientation_segments: [1] Removing non-occupied [Non-Facing] [FWD] orientation segment from [NS:05620:009050:15350][15631'] ID[NS:00:05620:0000000085:009050:15350] to [NS:05620:009053:14442][405'] ID[NS:00:05620:0000000102:009053:14442].
SYS :2023/05/11 02:57:06.053:SIGNAL_AUTHORITY:sa_monitor_orientation_segments: Current WCA-TE Dist [15670']
CHR :2023/05/11
02:57:06.066:VETMS_CHM_RECORDER:2023/05/11|02:57:06.066|6|LOC|4|28.08|40|NS|5620|MAIN 1|YG73.2944|9050|2604|NS|5620|MAIN 1|YG75.6696|9050|15328|2|5|41.61
SYS :2023/05/11 02:57:06.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:06.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:57:06.093:VETMS_CHM_RECORDER:2023/05/11|02:57:06.093|16|TGT|4|4624|2520|0|4|NS|5620|9053|14847
|NS|5620|9048|0|EQUIPMENT RESTRICTIO|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|SPEED
RESTRICTION|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|PERMANENT SPEED
REST|40|0|0|NS|5620|9052|385|NS|5620|9
CHR :2023/05/11 02:57:06.093:VETMS_CHM_RECORDER:052|0|PERMANENT SPEED REST|30|0|0
SYS :2023/05/11 02:57:06.909:LOCATION:location_validate_best_on_route_sol: last DR time
1683773826.53 GPS time 1683773827.0
SYS :2023/05/11 02:57:06.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:2564] overwritten
with Abs pos[NS:5620,9050:2528] GPS time gap[-0.091000] GPS dist gap[-3.747016]
WARN:2023/05/11 02:57:06.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt
current time
SYS :2023/05/11 02:57:07.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2523]
CHR :2023/05/11
02:57:07.066:VETMS_CHM_RECORDER:2023/05/11|02:57:07.066|5|GPS|3|1|40:59.3746|N|80:24.1573|W|2|09|
1.1
CHR :2023/05/11
02:57:07.066:VETMS_CHM_RECORDER:2023/05/11|02:57:07.066|5|GPS|3|2|40:59.3721|N|80:24.1594|W|2|09|
1.1
SYS :2023/05/11 02:57:07.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:57:07.066:VETMS_CHM_RECORDER:2023/05/11|02:57:07.066|6|LOC|4|28.08|40|NS|5620|MAIN
1|YG73.2865|9050|2564|NS|5620|MAIN 1|YG75.6618|9050|15288|2|5|41.61
SYS :2023/05/11 02:57:07.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:57:07.656:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:07.657:VETMS_CHM_RECORDER:2023/05/11|02:57:07.657|22|EMF|3|5100|2
WARN:2023/05/11 02:57:07.692:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:07.692:VETMS_CHM_RECORDER:2023/05/11|02:57:07.692|22|EMF|3|5100|2
SYS :2023/05/11 02:57:07.894:LOCATION:location_validate_best_on_route_sol: last DR time
1683773827.53 GPS time 1683773828.0
SYS :2023/05/11 02:57:07.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:2523] overwritten
with Abs pos[NS:5620,9050:2487] GPS time gap[-0.106000] GPS dist gap[-4.367836]
WARN:2023/05/11 02:57:07.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt
current time
SYS :2023/05/11 02:57:08.058:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2481]
SYS :2023/05/11 02:57:08.057:DATASET_MGR:***** OFFICE SUBDIVISION LIST *****
SYS :2023/05/11 02:57:08.067:SYSTEM_STATE:report: sent to [NS][ns.b:b1] (periodic)
SYS :2023/05/11 02:57:08.057:DATASET_MGR:Subdivision 'NS ':5420-80034 : ACRC 9C14FBB6 : SYNC 1
: PR FAST : NSR - : Last Poll 02:54:22 05/11/2023
SYS :2023/05/11 02:57:08.057:DATASET_MGR: B: 1479 2618 2628 7814 8017 8046
SYS :2023/05/11 02:57:08.057:DATASET_MGR:Subdivision 'NS ':5620-80020 : ACRC 9AF405F1 : SYNC 1
: PR FAST : NSR - : Last Poll 02:54:22 05/11/2023
SYS :2023/05/11 02:57:08.057:DATASET_MGR: B: 2561 3852 7613
SYS :2023/05/11 02:57:08.057:DATASET_MGR:Subdivision 'NS ':9904-80999 : ACRC C7F0F45F : SYNC 1
: PR SLOW : NSR - : Last Poll 02:54:22 05/11/2023
SYS :2023/05/11 02:57:08.057:DATASET_MGR:Subdivision 'NS ':5450-80020 : ACRC 9D95E903 : SYNC 1

```

: PR FAST : NSR - : Last Poll 02:54:22 05/11/2023
SYS :2023/05/11 02:57:08.057:DATASET_MGR: B: 2104 7787 7788 7945 8133
SYS :2023/05/11 02:57:08.057:DATASET_MGR:Subdivision 'NS ':5040-80036 : ACRC 776F59D0 : SYNC 1
: PR MEDIUM : NSR - : Last Poll 02:54:22 05/11/2023
SYS :2023/05/11 02:57:08.057:DATASET_MGR: B: 1608 3279 3599 3764 3778 4663 6621 7994
SYS :2023/05/11 02:57:08.058:DATASET_MGR:***** AUTHORITY LIST *****
SYS :2023/05/11 02:57:08.058:DATASET_MGR:***** BULLETIN LIST *****
SYS :2023/05/11 02:57:08.058:DATASET_MGR: NS:1479:SPR NS:1608:TOS NS:2104:SPR NS:2561:SPR
NS:2618:SPR NS:2628:SPR NS:3279:SPR NS:3599:SPR NS:3764:SPR NS:3778:SPR NS:3852:SPR NS:4663:SPR
SYS :2023/05/11 02:57:08.058:DATASET_MGR: NS:6621:TOS NS:7613:SPR NS:8017:SPR NS:8046:SPR
NS:8058:WKZ NS:8120:WKZ NS:8155:SPR NS:8161:SPR NS:8165:SPR NS:8166:SPR NS:8181:SPR NS:8185:SPR
SYS :2023/05/11 02:57:08.058:DATASET_MGR: NS:8194:SPR NS:8195:SPR NS:8200:WKZ NS:8217:WKZ
NS:8224:SPR
SYS :2023/05/11 02:57:08.058:DATASET_MGR:***** CREW MESSAGE LIST *****
SYS :2023/05/11 02:57:08.058:DATASET_MGR: NS:941 NS:3807 NS:4418
CHR :2023/05/11
02:57:08.073:VETMS_CHM_RECORDER:2023/05/11|02:57:08.073|6|LOC|4|28.10|40|NS|5620|MAIN
1|YG73.2783|9050|2523|NS|5620|MAIN 1|YG75.6538|9050|15247|2|5|41.61
OTX :2023/05/11 02:57:08.072:OTC_TX:Sending Office msg [2010], Seq # [0x1b5], Dest [ns.b:b1]
OTXD:2023/05/11 02:57:08.072:OTC_TX:000 | 04 07 da 03 11 00 00 12 00 00 01 b5 64 5c 59 84 |
.....d\Y.
OTXD:2023/05/11 02:57:08.072:OTC_TX:001 | 1d 00 3b 00 28 6e 73 2e 6c 2e 6e 73 2e 34 33 34 |
...;(ns.l.ns.434
SYS :2023/05/11 02:57:08.071:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
OTXD:2023/05/11 02:57:08.072:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 62 31 00 4e 53 |
2:itc.ns.b:b1.NS
OTXD:2023/05/11 02:57:08.072:OTC_TX:003 | 20 20 06 07 e7 05 0b 02 39 08 01 05 03 36 32 33 |
.....9....623
OTXD:2023/05/11 02:57:08.072:OTC_TX:004 | 45 2e a6 9d | E...
SYS :2023/05/11 02:57:08.092:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:57:08.094:VETMS_CHM_RECORDER:2023/05/11|02:57:08.094|21|EMP|2|2010|1|1|0407da0311000012000001b
5645c59841d003b00286e732e6c2e6e732e343334323a697463006e732e623a6231004e5320200607e7050b0239080105
03363233452ea69d
SYS :2023/05/11 02:57:08.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773828.58 GPS time 1683773829.0
SYS :2023/05/11 02:57:08.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:2481] overwritten
with Abs pos[NS:5620,9050:2446] GPS time gap[-0.087000] GPS dist gap[-3.586662]
WARN:2023/05/11 02:57:08.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:57:09.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2441]
CHR :2023/05/11
02:57:09.069:VETMS_CHM_RECORDER:2023/05/11|02:57:09.069|6|LOC|4|28.11|40|NS|5620|MAIN
1|YG73.2700|9050|2481|NS|5620|MAIN 1|YG75.6456|9050|15205|2|5|41.61
SYS :2023/05/11 02:57:09.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:09.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:09.912:LOCATION:location_validate_best_on_route_sol: last DR time
1683773829.53 GPS time 1683773830.0
SYS :2023/05/11 02:57:09.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:2441] overwritten
with Abs pos[NS:5620,9050:2405] GPS time gap[-0.088000] GPS dist gap[-3.632376]

```

```

WARN:2023/05/11 02:57:09.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt
current time
SYS :2023/05/11 02:57:10.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2400]
CHR :2023/05/11
02:57:10.066:VETMS_CHM_RECORDER:2023/05/11|02:57:10.066|6|LOC|4|28.15|40|NS|5620|MAIN
1|YG73.2620|9050|2441|NS|5620|MAIN 1|YG75.6378|9050|15165|2|5|41.61
SYS :2023/05/11 02:57:10.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:10.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:10.222:TRACK_MAP:data analysis complete
ORX :2023/05/11 02:57:10.488:OTC_RX:Received msg [1010] from Office, Seq # [0xlad], Src [ns.b:b1]
ORXD:2023/05/11 02:57:10.488:OTC_RX:000 | 04 03 f2 02 11 00 00 05 00 00 01 ad 64 5c 59 87 |
.....d\Y.
ORXD:2023/05/11 02:57:10.488:OTC_RX:001 | 1d 00 3b 00 28 6e 73 2e 62 3a 62 31 00 6e 73 2e |
..;. (ns.b:b1.ns.
ORXD:2023/05/11 02:57:10.488:OTC_RX:002 | 6c 2e 6e 73 2e 34 33 34 32 3a 69 74 63 00 4e 53 |
l.ns.4342:itc.NS
ORXD:2023/05/11 02:57:10.488:OTC_RX:003 | 20 20 02 bc 76 68 54
..vhT
CHR :2023/05/11
02:57:10.489:VETMS_CHM_RECORDER:2023/05/11|02:57:10.489|21|EMP|2|1010|1|1|0403f20211000005000001a
d645c59871d003b00286e732e623a6231006e732e6c2e6e732e343334323a697463004e53202002bc766854
SYS :2023/05/11 02:57:10.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773830.53 GPS time 1683773831.0
SYS :2023/05/11 02:57:10.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:2400] overwritten
with Abs pos[NS:5620,9050:2364] GPS time gap[-0.087000] GPS dist gap[-3.593709]
WARN:2023/05/11 02:57:10.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:57:11.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2359]
CHR :2023/05/11
02:57:11.066:VETMS_CHM_RECORDER:2023/05/11|02:57:11.066|6|LOC|4|28.17|40|NS|5620|MAIN
1|YG73.2538|9050|2400|NS|5620|MAIN 1|YG75.6298|9050|15124|2|5|41.61
SYS :2023/05/11 02:57:11.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:11.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:57:11.472:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:11.472:VETMS_CHM_RECORDER:2023/05/11|02:57:11.472|22|EMF|3|5100|2
WARN:2023/05/11 02:57:11.658:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:11.658:VETMS_CHM_RECORDER:2023/05/11|02:57:11.658|22|EMF|3|5100|2
WARN:2023/05/11 02:57:11.685:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:11.685:VETMS_CHM_RECORDER:2023/05/11|02:57:11.685|22|EMF|3|5100|2
SYS :2023/05/11 02:57:11.908:LOCATION:location_validate_best_on_route_sol: last DR time
1683773831.53 GPS time 1683773832.0
SYS :2023/05/11 02:57:11.908:LOCATION:dead_reckoner: DR position [NS:5620,9050:2359] overwritten
with Abs pos[NS:5620,9050:2323] GPS time gap[-0.092000] GPS dist gap[-3.801164]
WARN:2023/05/11 02:57:11.908:LOCATION:dead_reckoner: GPS time gap[-0.092000] negative wrt

```

```
current time
SYS :2023/05/11 02:57:12.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2318]
CHR :2023/05/11
02:57:12.064:VETMS_CHM_RECORDER:2023/05/11|02:57:12.064|5|GPS|3|1|40:59.4006|N|80:24.1857|W|2|09|
1.1
CHR :2023/05/11
02:57:12.064:VETMS_CHM_RECORDER:2023/05/11|02:57:12.064|5|GPS|3|2|40:59.3981|N|80:24.1879|W|2|09|
1.1
CHR :2023/05/11
02:57:12.064:VETMS_CHM_RECORDER:2023/05/11|02:57:12.064|6|LOC|4|28.18|40|NS|5620|MAIN
1|YG73.2457|9050|2359|NS|5620|MAIN 1|YG75.6218|9050|15083|2|5|41.61
SYS :2023/05/11 02:57:12.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:12.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:12.935:LOCATION:location_validate_best_on_route_sol: last DR time
1683773832.53 GPS time 1683773833.0
SYS :2023/05/11 02:57:12.935:LOCATION:dead_reckoner: DR position [NS:5620,9050:2318] overwritten
with Abs pos[NS:5620,9050:2282] GPS time gap[-0.065000] GPS dist gap[-2.686320]
WARN:2023/05/11 02:57:12.935:LOCATION:dead_reckoner: GPS time gap[-0.065000] negative wrt
current time
SYS :2023/05/11 02:57:13.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2278]
CHR :2023/05/11
02:57:13.065:VETMS_CHM_RECORDER:2023/05/11|02:57:13.065|6|LOC|4|28.18|40|NS|5620|MAIN
1|YG73.2375|9050|2318|NS|5620|MAIN 1|YG75.6138|9050|15042|2|5|41.61
SYS :2023/05/11 02:57:13.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:13.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:13.910:LOCATION:location_validate_best_on_route_sol: last DR time
1683773833.53 GPS time 1683773834.0
SYS :2023/05/11 02:57:13.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:2278] overwritten
with Abs pos[NS:5620,9050:2241] GPS time gap[-0.090000] GPS dist gap[-3.720420]
WARN:2023/05/11 02:57:13.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time
SYS :2023/05/11 02:57:14.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2236]
CHR :2023/05/11
02:57:14.065:VETMS_CHM_RECORDER:2023/05/11|02:57:14.065|6|LOC|4|28.19|40|NS|5620|MAIN
1|YG73.2295|9050|2278|NS|5620|MAIN 1|YG75.6060|9050|15002|2|5|41.61
SYS :2023/05/11 02:57:14.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:14.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:14.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773834.53 GPS time 1683773835.0
SYS :2023/05/11 02:57:14.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:2236] overwritten
with Abs pos[NS:5620,9050:2200] GPS time gap[-0.089000] GPS dist gap[-3.679082]
WARN:2023/05/11 02:57:14.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:57:15.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2195]
CHR :2023/05/11
02:57:15.065:VETMS_CHM_RECORDER:2023/05/11|02:57:15.065|6|LOC|4|28.19|40|NS|5620|MAIN
1|YG73.2212|9050|2236|NS|5620|MAIN 1|YG75.5978|9050|14960|2|5|41.61
SYS :2023/05/11 02:57:15.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
```

```
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:15.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:57:15.680:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:15.681:VETMS_CHM_RECORDER:2023/05/11|02:57:15.681|22|EMF|3|5100|2
WARN:2023/05/11 02:57:15.688:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:15.689:VETMS_CHM_RECORDER:2023/05/11|02:57:15.689|22|EMF|3|5100|2
SYS :2023/05/11 02:57:15.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773835.53 GPS time 1683773836.0
SYS :2023/05/11 02:57:15.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:2195] overwritten
with Abs pos[NS:5620,9050:2159] GPS time gap[-0.096000] GPS dist gap[-3.973248]
WARN:2023/05/11 02:57:15.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time
SYS :2023/05/11 02:57:16.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2153]
CHR :2023/05/11
02:57:16.066:VETMS_CHM_RECORDER:2023/05/11|02:57:16.066|6|LOC|4|28.23|40|NS|5620|MAIN
1|YG73.2129|9050|2195|NS|5620|MAIN 1|YG75.5898|9050|14919|2|5|41.61
SYS :2023/05/11 02:57:16.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:16.073:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:16.941:LOCATION:location_validate_best_on_route_sol: last DR time
1683773836.53 GPS time 1683773837.0
SYS :2023/05/11 02:57:16.942:LOCATION:dead_reckoner: DR position [NS:5620,9050:2153] overwritten
with Abs pos[NS:5620,9050:2118] GPS time gap[-0.059000] GPS dist gap[-2.444901]
WARN:2023/05/11 02:57:16.942:LOCATION:dead_reckoner: GPS time gap[-0.059000] negative wrt
current time
SYS :2023/05/11 02:57:17.053:CAB_SIGNAL:cab_iface_monitor_dropouts_signals_territory: Facing
signal is now located between WCB-LE Location [ NS:05620:009050:02170] and WCA-LE (+1 sec)
Location [ NS:05620:009050:02095]
SYS :2023/05/11 02:57:17.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2114]
CHR :2023/05/11
02:57:17.065:VETMS_CHM_RECORDER:2023/05/11|02:57:17.065|5|GPS|3|1|40:59.4267|N|80:24.2141|W|2|09|
1.1
SYS :2023/05/11 02:57:17.066:TRACK_WARRANT:tw_log_current_auth_blocks: No Authority Block data
CHR :2023/05/11
02:57:17.065:VETMS_CHM_RECORDER:2023/05/11|02:57:17.065|5|GPS|3|2|40:59.4243|N|80:24.2157|W|2|09|
1.1
SYS :2023/05/11 02:57:17.066:TRACK_WARRANT:tw_log_auth_limits: No Authority Fwd limits data
CHR :2023/05/11
02:57:17.065:VETMS_CHM_RECORDER:2023/05/11|02:57:17.065|6|LOC|4|28.26|40|NS|5620|MAIN
1|YG73.2045|9050|2153|NS|5620|MAIN 1|YG75.5816|9050|14877|2|5|41.61
SYS :2023/05/11 02:57:17.066:TRACK_WARRANT:tw_log_auth_limits: No Authority Rev limits data
SYS :2023/05/11 02:57:17.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:17.073:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:17.895:LOCATION:location_validate_best_on_route_sol: last DR time
1683773837.53 GPS time 1683773838.0
SYS :2023/05/11 02:57:17.895:LOCATION:dead_reckoner: DR position [NS:5620,9050:2114] overwritten
```

with Abs pos[NS:5620,9050:2077] GPS time gap[-0.105000] GPS dist gap[-4.353195]
WARN:2023/05/11 02:57:17.895:LOCATION:dead_reckoner: GPS time gap[-0.105000] negative wrt
current time
SYS :2023/05/11 02:57:18.058:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2071]
SYS :2023/05/11 02:57:18.058:SIGNAL_AUTHORITY:sa_add_orientation_segment: [3] Added [Facing]
[FWD] orientation segment from [NS:05620:009050:02135][28846'] ID[
NS:00:05620:0000000069:009050:02135] to [NS:05620:009049:02854][42571'] ID[
NS:00:05620:0000000077:009049:02854].
SYS :2023/05/11 02:57:18.058:SIGNAL_AUTHORITY:sa_add_orientation_segment: [4] Added [Non-Facing]
[FWD] orientation segment from [NS:05620:009049:02854][42571'] ID[
NS:00:05620:0000000086:009049:02854] to [NS:05620:009050:02135][28846'] ID[
NS:00:05620:0000000074:009050:02135].
CHR :2023/05/11
02:57:18.070:VETMS_CHM_RECORDER:2023/05/11|02:57:18.070|6|LOC|4|28.27|40|NS|5620|MAIN
1|YG73.1967|9050|2114|NS|5620|MAIN 1|YG75.5740|9050|14838|2|5|41.61
SYS :2023/05/11 02:57:18.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:18.080:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:18.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773838.58 GPS time 1683773839.0
SYS :2023/05/11 02:57:18.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:2071] overwritten
with Abs pos[NS:5620,9050:2036] GPS time gap[-0.087000] GPS dist gap[-3.609543]
WARN:2023/05/11 02:57:18.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:57:19.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:2031]
CHR :2023/05/11
02:57:19.068:VETMS_CHM_RECORDER:2023/05/11|02:57:19.067|6|LOC|4|28.29|40|NS|5620|MAIN
1|YG73.1881|9050|2071|NS|5620|MAIN 1|YG75.5656|9050|14795|2|5|41.61
SYS :2023/05/11 02:57:19.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:19.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:19.512:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-64] ignoring updates.
WARN:2023/05/11 02:57:19.658:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
WARN:2023/05/11 02:57:19.658:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:19.659:VETMS_CHM_RECORDER:2023/05/11|02:57:19.659|22|EMF|3|5100|2
CHR :2023/05/11 02:57:19.659:VETMS_CHM_RECORDER:2023/05/11|02:57:19.659|22|EMF|3|5100|2
SYS :2023/05/11 02:57:19.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773839.54 GPS time 1683773840.0
SYS :2023/05/11 02:57:19.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:2031] overwritten
with Abs pos[NS:5620,9050:1995] GPS time gap[-0.079000] GPS dist gap[-3.278421]
WARN:2023/05/11 02:57:19.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt
current time
WARN:2023/05/11 02:57:19.930:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:19.930:VETMS_CHM_RECORDER:2023/05/11|02:57:19.930|22|EMF|3|5100|2
SYS :2023/05/11 02:57:20.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1990]

```

CHR :2023/05/11
02:57:20.068:VETMS_CHM_RECORDER:2023/05/11|02:57:20.068|6|LOC|4|28.30|40|NS|5620|MAIN
1|YG73.1802|9050|2031|NS|5620|MAIN 1|YG75.5578|9050|14755|2|5|41.61
SYS :2023/05/11 02:57:20.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:20.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:20.912:LOCATION:location_validate_best_on_route_sol: last DR time
1683773840.53 GPS time 1683773841.0
SYS :2023/05/11 02:57:20.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:1990] overwritten
with Abs pos[NS:5620,9050:1954] GPS time gap[-0.088000] GPS dist gap[-3.652792]
WARN:2023/05/11 02:57:20.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt
current time
SYS :2023/05/11 02:57:21.052:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1949]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:Signals on Route...
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[##][Signal ID ][Type
][Monitored][SignalGrp ][Signal Status ][Target Type ][Tgt ID
][DIB T-ID][PSS T-ID][Rule|Path]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[01][ NS:20:05620:0000009053:009053:14847][PTC
][No ][SG-5 ][INFERRED CLEAR ][None / No
Signal][00000000][00000000][00000000][0000|0000]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[02][ NS:10:05620:0000009053:009053:14847][SIG
][No ][SG-5 ][INFERRED CLEAR ][None / No
Signal][00000000][00000000][00000000][0000|0000]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[03][ NS:00:05620:0000000101:009053:14442][INT-R
][Yes ][SG-5 ][Clear ][None / No
Signal][00000000][00000000][00000000][0000|0001]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[04][
NS:00:05620:0000000095:009053:00033][ABS-NI][Yes ][SG-5
][Clear ][None / No
Signal][00000000][00000000][00000000][0000|0001]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[05][ NS:00:05620:0000000069:009050:02135][INT-R
][Yes ][SG-5 ][Clear ][None / No
Signal][00000000][00000000][00000000][0002|0002]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[06][ NS:00:05620:0000000077:009049:02854][INT-R
][Yes ][SG-5 ][Clear ][None / No
Signal][00000000][00000000][00000000][0002|0018]
SYS :2023/05/11 02:57:21.056:SIGNAL_AUTHORITY:[07][ NS:00:05620:0000000087:009048:11621][INT-R
][Yes ][SG-5 ][Clear ][None / No
Signal][00000000][00000000][00000000][0002|0021]
CHR :2023/05/11
02:57:21.065:VETMS_CHM_RECORDER:2023/05/11|02:57:21.065|6|LOC|4|28.31|40|NS|5620|MAIN
1|YG73.1720|9050|1990|NS|5620|MAIN 1|YG75.5498|9050|14714|2|5|41.61
SYS :2023/05/11 02:57:21.062:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:21.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:21.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773841.52 GPS time 1683773842.0
SYS :2023/05/11 02:57:21.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:1949] overwritten
with Abs pos[NS:5620,9050:1913] GPS time gap[-0.087000] GPS dist gap[-3.613980]
WARN:2023/05/11 02:57:21.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:57:22.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1908]

```

```

CHR :2023/05/11
02:57:22.067:VETMS_CHM_RECORDER:2023/05/11|02:57:22.067|5|GPS|3|1|40:59.4528|N|80:24.2424|W|2|09|
1.1
CHR :2023/05/11
02:57:22.067:VETMS_CHM_RECORDER:2023/05/11|02:57:22.067|5|GPS|3|2|40:59.4508|N|80:24.2438|W|2|09|
1.1
CHR :2023/05/11
02:57:22.067:VETMS_CHM_RECORDER:2023/05/11|02:57:22.067|6|LOC|4|28.33|40|NS|5620|MAIN
1|YG73.1638|9050|1949|NS|5620|MAIN 1|YG75.5419|9050|14673|2|5|41.61
SYS :2023/05/11 02:57:22.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:22.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ORX :2023/05/11 02:57:22.810:OTC_RX:Received msg [1021] from Office, Seq # [0x33c4e], Src
[ns.b:g.05620]
ORXD:2023/05/11 02:57:22.810:OTC_RX:000 | 04 03 fd 04 11 00 00 4e 00 03 3c 4e 64 5c 59 93 |
.....N.<Nd\Y.
ORXD:2023/05/11 02:57:22.810:OTC_RX:001 | 22 00 3b 00 30 6e 73 2e 62 3a 67 2e 30 35 36 32 |
".;.0ns.b:g.0562
ORXD:2023/05/11 02:57:22.810:OTC_RX:002 | 30 00 6e 73 2e 6c 2e 6e 73 2e 34 33 34 32 3a 69 |
0.ns.1.ns.4342:i
ORXD:2023/05/11 02:57:22.810:OTC_RX:003 | 74 63 00 4e 53 20 20 dd d0 49 3a 1f fb f9 12 05 |
tc.NS ..I:.....
ORXD:2023/05/11 02:57:22.810:OTC_RX:004 | 15 f4 01 9a f4 05 f1 00 00 00 00 00 00 15 2c 01 |
...../..
ORXD:2023/05/11 02:57:22.810:OTC_RX:005 | 9c 14 fb b6 00 00 00 00 00 00 26 b0 04 c7 f0 f4 |
.....&.....
ORXD:2023/05/11 02:57:22.810:OTC_RX:006 | 5f 00 00 00 00 00 00 15 4a 01 9d 95 e9 03 00 00 |
_.....J.....
ORXD:2023/05/11 02:57:22.810:OTC_RX:007 | 00 00 00 00 13 b0 01 77 6f 59 d0 00 00 00 00 00 |
.....woY.....
ORXD:2023/05/11 02:57:22.811:OTC_RX:008 | 00 46 88 24 19 | .F.$
CHR :2023/05/11
02:57:22.811:VETMS_CHM_RECORDER:2023/05/11|02:57:22.811|21|EMP|2|1021|1|1|0403fd041100004e00033c4
e645c599322003b00306e732e623a672e3035363230006e732e6c2e6e732e343334323a697463004e532020ddd0493a1f
fbf9120515f4019af405f1000000000000152c019c14fbb60000000000026b004c7f0f45f00000000000154a019d
SYS :2023/05/11 02:57:22.811:DATASET_MGR:msgcb_preprocess_message: Received message 1021
[item:249] [1683773842.811]
CHR :2023/05/11
02:57:22.811:VETMS_CHM_RECORDER:95e90300000000000013b001776f59d00000000000046882419
SYS :2023/05/11 02:57:22.821:DATASET_MGR:dsmcb_dataset_process_timer: Processing message 1021
[item:249] [1683773842.821]
SYS :2023/05/11 02:57:22.821:DATASET_MGR:msgcb_office_poll: 'NS ':5620 CRC -> ONBOARD:
A:[9AF405F1] C:[00000000], OFFICE: A:[9AF405F1] C:[00000000]
SYS :2023/05/11 02:57:22.821:DATASET_MGR:msgcb_office_poll: 'NS ':5420 CRC -> ONBOARD:
A:[9C14FBB6] C:[00000000], OFFICE: A:[9C14FBB6] C:[00000000]
SYS :2023/05/11 02:57:22.821:DATASET_MGR:msgcb_office_poll: 'NS ':9904 CRC -> ONBOARD:
A:[C7F0F45F] C:[00000000], OFFICE: A:[C7F0F45F] C:[00000000]
SYS :2023/05/11 02:57:22.821:DATASET_MGR:msgcb_office_poll: 'NS ':5450 CRC -> ONBOARD:
A:[9D95E903] C:[00000000], OFFICE: A:[9D95E903] C:[00000000]
SYS :2023/05/11 02:57:22.821:DATASET_MGR:msgcb_office_poll: 'NS ':5040 CRC -> ONBOARD:
A:[776F59D0] C:[00000000], OFFICE: A:[776F59D0] C:[00000000]
SYS :2023/05/11 02:57:22.920:LOCATION:location_validate_best_on_route_sol: last DR time
1683773842.53 GPS time 1683773843.0

```

```
SYS :2023/05/11 02:57:22.920:LOCATION:dead_reckoner: DR position [NS:5620,9050:1908] overwritten
with Abs pos[NS:5620,9050:1871] GPS time gap[-0.080000] GPS dist gap[-3.325600]
WARN:2023/05/11 02:57:22.920:LOCATION:dead_reckoner: GPS time gap[-0.080000] negative wrt
current time
SYS :2023/05/11 02:57:23.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1866]
CHR :2023/05/11
02:57:23.067:VETMS_CHM_RECORDER:2023/05/11|02:57:23.067|6|LOC|4|28.35|40|NS|5620|MAIN
1|YG73.1557|9050|1908|NS|5620|MAIN 1|YG75.5339|9050|14632|2|5|41.61
SYS :2023/05/11 02:57:23.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:23.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:23.627:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-227] ignoring updates.
WARN:2023/05/11 02:57:23.627:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:23.627:VETMS_CHM_RECORDER:2023/05/11|02:57:23.627|22|EMF|3|5100|2
WARN:2023/05/11 02:57:23.633:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:23.633:VETMS_CHM_RECORDER:2023/05/11|02:57:23.633|22|EMF|3|5100|2
WARN:2023/05/11 02:57:23.751:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:23.751:VETMS_CHM_RECORDER:2023/05/11|02:57:23.751|22|EMF|3|5100|2
SYS :2023/05/11 02:57:23.943:LOCATION:location_validate_best_on_route_sol: last DR time
1683773843.53 GPS time 1683773844.0
SYS :2023/05/11 02:57:23.943:LOCATION:dead_reckoner: DR position [NS:5620,9050:1866] overwritten
with Abs pos[NS:5620,9050:1830] GPS time gap[-0.057000] GPS dist gap[-2.370630]
WARN:2023/05/11 02:57:23.943:LOCATION:dead_reckoner: GPS time gap[-0.057000] negative wrt
current time
SYS :2023/05/11 02:57:24.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1826]
CHR :2023/05/11
02:57:24.068:VETMS_CHM_RECORDER:2023/05/11|02:57:24.067|6|LOC|4|28.36|40|NS|5620|MAIN
1|YG73.1473|9050|1866|NS|5620|MAIN 1|YG75.5257|9050|14590|2|5|41.61
SYS :2023/05/11 02:57:24.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:24.087:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:24.922:LOCATION:location_validate_best_on_route_sol: last DR time
1683773844.54 GPS time 1683773845.0
SYS :2023/05/11 02:57:24.922:LOCATION:dead_reckoner: DR position [NS:5620,9050:1826] overwritten
with Abs pos[NS:5620,9050:1788] GPS time gap[-0.078000] GPS dist gap[-3.247998]
WARN:2023/05/11 02:57:24.922:LOCATION:dead_reckoner: GPS time gap[-0.078000] negative wrt
current time
SYS :2023/05/11 02:57:25.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1783]
CHR :2023/05/11
02:57:25.067:VETMS_CHM_RECORDER:2023/05/11|02:57:25.067|6|LOC|4|28.40|40|NS|5620|MAIN
1|YG73.1393|9050|1826|NS|5620|MAIN 1|YG75.5179|9050|14550|2|5|41.61
SYS :2023/05/11 02:57:25.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:25.086:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
```

```
SYS :2023/05/11 02:57:25.914:LOCATION:location_validate_best_on_route_sol: last DR time
1683773845.54 GPS time 1683773846.0
SYS :2023/05/11 02:57:25.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:1783] overwritten
with Abs pos[NS:5620,9050:1746] GPS time gap[-0.086000] GPS dist gap[-3.583706]
WARN:2023/05/11 02:57:25.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt
current time
SYS :2023/05/11 02:57:26.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1741]
CHR :2023/05/11
02:57:26.068:VETMS_CHM_RECORDER:2023/05/11|02:57:26.068|6|LOC|4|28.42|40|NS|5620|MAIN
1|YG73.1307|9050|1783|NS|5620|MAIN 1|YG75.5095|9050|14507|2|5|41.61
SYS :2023/05/11 02:57:26.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:26.091:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ERR :2023/05/11 02:57:26.148:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:57:26.911:LOCATION:location_validate_best_on_route_sol: last DR time
1683773846.54 GPS time 1683773847.0
SYS :2023/05/11 02:57:26.911:LOCATION:dead_reckoner: DR position [NS:5620,9050:1741] overwritten
with Abs pos[NS:5620,9050:1705] GPS time gap[-0.089000] GPS dist gap[-3.709609]
WARN:2023/05/11 02:57:26.911:LOCATION:dead_reckoner: GPS time gap[-0.089000] negative wrt
current time
SYS :2023/05/11 02:57:27.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1700]
CHR :2023/05/11
02:57:27.065:VETMS_CHM_RECORDER:2023/05/11|02:57:27.065|5|GPS|3|1|40:59.4791|N|80:24.2711|W|2|09|
1.1
CHR :2023/05/11
02:57:27.065:VETMS_CHM_RECORDER:2023/05/11|02:57:27.065|5|GPS|3|2|40:59.4770|N|80:24.2722|W|2|09|
1.1
SYS :2023/05/11 02:57:27.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:57:27.065:VETMS_CHM_RECORDER:2023/05/11|02:57:27.065|6|LOC|4|28.43|40|NS|5620|MAIN
1|YG73.1224|9050|1741|NS|5620|MAIN 1|YG75.5013|9050|14465|2|5|41.61
SYS :2023/05/11 02:57:27.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:27.642:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-394] ignoring updates.
WARN:2023/05/11 02:57:27.667:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:27.667:VETMS_CHM_RECORDER:2023/05/11|02:57:27.667|22|EMF|3|5100|2
WARN:2023/05/11 02:57:27.696:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:27.696:VETMS_CHM_RECORDER:2023/05/11|02:57:27.696|22|EMF|3|5100|2
WARN:2023/05/11 02:57:27.774:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:27.774:VETMS_CHM_RECORDER:2023/05/11|02:57:27.774|22|EMF|3|5100|2
SYS :2023/05/11 02:57:27.935:LOCATION:location_validate_best_on_route_sol: last DR time
1683773847.54 GPS time 1683773848.0
SYS :2023/05/11 02:57:27.935:LOCATION:dead_reckoner: DR position [NS:5620,9050:1700] overwritten
with Abs pos[NS:5620,9050:1663] GPS time gap[-0.065000] GPS dist gap[-2.711930]
WARN:2023/05/11 02:57:27.935:LOCATION:dead_reckoner: GPS time gap[-0.065000] negative wrt
```

current time

SYS :2023/05/11 02:57:28.059:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1658]

CHR :2023/05/11

02:57:28.072:VETMS_CHM_RECORDER:2023/05/11|02:57:28.072|6|LOC|4|28.45|40|NS|5620|MAIN
1|YG73.1142|9050|1700|NS|5620|MAIN 1|YG75.4933|9050|14424|2|5|41.61

SYS :2023/05/11 02:57:28.069:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:28.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:28.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773848.59 GPS time 1683773849.0

SYS :2023/05/11 02:57:28.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:1658] overwritten
with Abs pos[NS:5620,9050:1622] GPS time gap[-0.096000] GPS dist gap[-4.007232]

WARN:2023/05/11 02:57:28.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time

SYS :2023/05/11 02:57:29.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1616]

CHR :2023/05/11

02:57:29.067:VETMS_CHM_RECORDER:2023/05/11|02:57:29.067|6|LOC|4|28.47|40|NS|5620|MAIN
1|YG73.1058|9050|1658|NS|5620|MAIN 1|YG75.4851|9050|14382|2|5|41.61

SYS :2023/05/11 02:57:29.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:29.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:29.924:LOCATION:location_validate_best_on_route_sol: last DR time
1683773849.54 GPS time 1683773850.0

SYS :2023/05/11 02:57:29.924:LOCATION:dead_reckoner: DR position [NS:5620,9050:1616] overwritten
with Abs pos[NS:5620,9050:1581] GPS time gap[-0.076000] GPS dist gap[-3.173152]

WARN:2023/05/11 02:57:29.924:LOCATION:dead_reckoner: GPS time gap[-0.076000] negative wrt
current time

SYS :2023/05/11 02:57:30.053:CAB_SIGNAL:cab_iface_monitor_dropouts_signals_territory: No facing
signal has been located between WCB-LE Location [NS:05620:009050:01633] and WCA-LE (+1 sec)
Location [NS:05620:009050:01557] for at least [13] seconds

SYS :2023/05/11 02:57:30.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1576]

CHR :2023/05/11

02:57:30.072:VETMS_CHM_RECORDER:2023/05/11|02:57:30.072|6|LOC|4|28.47|40|NS|5620|MAIN
1|YG73.0975|9050|1616|NS|5620|MAIN 1|YG75.4769|9050|14340|2|5|41.61

SYS :2023/05/11 02:57:30.069:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:30.082:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:30.097:ENFORCEMENT:,SPD,28.5,mph,LL:MP,73.0861, NS, 5620, 9050,
1559,TL,MP,75.4724, NS, 5620,

9050,14317,BPP,089,EOT,089,ARP,089,ERP,089,BCP,000,PBCP,000,LBCP,000,FLOW,000,ABM
State,0,TN,007,TE,00401,DBON,0,DBE,00293,PCS,0,STS,00,GRD,

0.07%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0168971,LRF,-0001597,L
BF,+0000000,CRF,-0047003,CBF,+0000000,GF,-0030288,CF,-0005949,

SYS :2023/05/11

02:57:30.097:ENFORCEMENT:,PA,0.04420,*,AA,0.00670,TTE,***,DTE,***,TD,***,ECL,01408,ECT,48,EMS,28.
6,BCL,02569,BCT,76,BMS,28.7,PCL,01893,PCT,46,WCL,02769,WCT,78,WMS,30.2,SFO,0304,

SYS :2023/05/11 02:57:30.945:LOCATION:location_validate_best_on_route_sol: last DR time
1683773850.55 GPS time 1683773851.0

SYS :2023/05/11 02:57:30.946:LOCATION:dead_reckoner: DR position [NS:5620,9050:1576] overwritten
with Abs pos[NS:5620,9050:1539] GPS time gap[-0.055000] GPS dist gap[-2.298010]

WARN:2023/05/11 02:57:30.946:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt

current time
SYS :2023/05/11 02:57:31.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1535]
CHR :2023/05/11
02:57:31.070:VETMS_CHM_RECORDER:2023/05/11|02:57:31.070|6|LOC|4|28.49|40|NS|5620|MAIN
1|YG73.0895|9050|1576|NS|5620|MAIN 1|YG75.4691|9050|14300|2|5|41.61
SYS :2023/05/11 02:57:31.067:WHEEL_CALIBRATION:wc_distance_calibration: Starting mapped wheel
calibration
SYS :2023/05/11 02:57:31.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:31.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:31.197:LOCATION:location_validate_best_on_route_sol: duplicate solution
ignored, last DR time 1683773851.54 GPS time 1683773851.0
SYS :2023/05/11 02:57:31.197:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1529]
SYS :2023/05/11 02:57:31.723:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-559] ignoring updates.
WARN:2023/05/11 02:57:31.723:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:31.723:VETMS_CHM_RECORDER:2023/05/11|02:57:31.723|22|EMF|3|5100|2
WARN:2023/05/11 02:57:31.744:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
WARN:2023/05/11 02:57:31.744:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:31.744:VETMS_CHM_RECORDER:2023/05/11|02:57:31.744|22|EMF|3|5100|2
CHR :2023/05/11 02:57:31.744:VETMS_CHM_RECORDER:2023/05/11|02:57:31.744|22|EMF|3|5100|2
SYS :2023/05/11 02:57:31.904:LOCATION:location_validate_best_on_route_sol: last DR time
1683773851.197 GPS time 1683773852.0
SYS :2023/05/11 02:57:31.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:1529] overwritten
with Abs pos[NS:5620,9050:1497] GPS time gap[-0.096000] GPS dist gap[-4.015008]
WARN:2023/05/11 02:57:31.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt
current time
SYS :2023/05/11 02:57:32.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1491]
CHR :2023/05/11
02:57:32.066:VETMS_CHM_RECORDER:2023/05/11|02:57:32.066|5|GPS|3|1|40:59.5054|N|80:24.2999|W|2|09|
1.1
CHR :2023/05/11
02:57:32.066:VETMS_CHM_RECORDER:2023/05/11|02:57:32.066|5|GPS|3|2|40:59.5032|N|80:24.2998|W|2|09|
1.1
CHR :2023/05/11
02:57:32.066:VETMS_CHM_RECORDER:2023/05/11|02:57:32.066|6|LOC|4|28.52|40|NS|5620|MAIN
1|YG73.0813|9050|1535|NS|5620|MAIN 1|YG75.4611|9050|14259|2|5|41.61
SYS :2023/05/11 02:57:32.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:32.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:32.895:LOCATION:location_validate_best_on_route_sol: last DR time
1683773852.53 GPS time 1683773853.0
SYS :2023/05/11 02:57:32.895:LOCATION:dead_reckoner: DR position [NS:5620,9050:1491] overwritten
with Abs pos[NS:5620,9050:1456] GPS time gap[-0.105000] GPS dist gap[-4.392465]
WARN:2023/05/11 02:57:32.895:LOCATION:dead_reckoner: GPS time gap[-0.105000] negative wrt
current time

SYS :2023/05/11 02:57:33.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1450]
CHR :2023/05/11
02:57:33.067:VETMS_CHM_RECORDER:2023/05/11|02:57:33.067|6|LOC|4|28.53|40|NS|5620|MAIN
1|YG73.0725|9050|1491|NS|5620|MAIN 1|YG75.4525|9050|14215|2|5|41.61
SYS :2023/05/11 02:57:33.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:33.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:33.937:LOCATION:location_validate_best_on_route_sol: last DR time
1683773853.54 GPS time 1683773854.0
SYS :2023/05/11 02:57:33.937:LOCATION:dead_reckoner: DR position [NS:5620,9050:1450] overwritten
with Abs pos[NS:5620,9050:1415] GPS time gap[-0.063000] GPS dist gap[-2.638629]
WARN:2023/05/11 02:57:33.937:LOCATION:dead_reckoner: GPS time gap[-0.063000] negative wrt
current time
SYS :2023/05/11 02:57:34.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1411]
CHR :2023/05/11
02:57:34.067:VETMS_CHM_RECORDER:2023/05/11|02:57:34.066|6|LOC|4|28.56|40|NS|5620|MAIN
1|YG73.0644|9050|1450|NS|5620|MAIN 1|YG75.4445|9050|14174|2|5|41.61
SYS :2023/05/11 02:57:34.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:34.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:34.922:LOCATION:location_validate_best_on_route_sol: last DR time
1683773854.54 GPS time 1683773855.0
SYS :2023/05/11 02:57:34.922:LOCATION:dead_reckoner: DR position [NS:5620,9050:1411] overwritten
with Abs pos[NS:5620,9050:1373] GPS time gap[-0.078000] GPS dist gap[-3.268512]
WARN:2023/05/11 02:57:34.922:LOCATION:dead_reckoner: GPS time gap[-0.078000] negative wrt
current time
SYS :2023/05/11 02:57:35.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1368]
CHR :2023/05/11
02:57:35.066:VETMS_CHM_RECORDER:2023/05/11|02:57:35.066|6|LOC|4|28.58|40|NS|5620|MAIN
1|YG73.0566|9050|1411|NS|5620|MAIN 1|YG75.4369|9050|14135|2|5|41.61
SYS :2023/05/11 02:57:35.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:35.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:35.607:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-724] ignoring updates.
WARN:2023/05/11 02:57:35.607:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:35.608:VETMS_CHM_RECORDER:2023/05/11|02:57:35.608|22|EMF|3|5100|2
WARN:2023/05/11 02:57:35.729:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:57:35.729:VETMS_CHM_RECORDER:2023/05/11|02:57:35.729|22|EMF|3|5100|2
SYS :2023/05/11 02:57:35.917:LOCATION:location_validate_best_on_route_sol: last DR time
1683773855.54 GPS time 1683773856.0
SYS :2023/05/11 02:57:35.917:LOCATION:dead_reckoner: DR position [NS:5620,9050:1368] overwritten
with Abs pos[NS:5620,9050:1331] GPS time gap[-0.083000] GPS dist gap[-3.480522]
WARN:2023/05/11 02:57:35.917:LOCATION:dead_reckoner: GPS time gap[-0.083000] negative wrt
current time
SYS :2023/05/11 02:57:36.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1326]
CHR :2023/05/11

02:57:36.066:VETMS_CHM_RECORDER:2023/05/11|02:57:36.066|6|LOC|4|28.60|40|NS|5620|MAIN
1|YG73.0480|9050|1368|NS|5620|MAIN 1|YG75.4285|9050|14092|2|5|41.61
SYS :2023/05/11 02:57:36.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:36.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:36.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773856.54 GPS time 1683773857.0
SYS :2023/05/11 02:57:36.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:1326] overwritten
with Abs pos[NS:5620,9050:1289] GPS time gap[-0.079000] GPS dist gap[-3.313576]
WARN:2023/05/11 02:57:36.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt
current time
SYS :2023/05/11 02:57:37.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1284]
CHR :2023/05/11
02:57:37.066:VETMS_CHM_RECORDER:2023/05/11|02:57:37.066|5|GPS|3|1|40:59.5317|N|80:24.3289|W|2|09|
1.1
CHR :2023/05/11
02:57:37.066:VETMS_CHM_RECORDER:2023/05/11|02:57:37.066|5|GPS|3|2|40:59.5300|N|80:24.3287|W|2|09|
1.1
SYS :2023/05/11 02:57:37.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:57:37.066:VETMS_CHM_RECORDER:2023/05/11|02:57:37.066|6|LOC|4|28.60|40|NS|5620|MAIN
1|YG73.0397|9050|1326|NS|5620|MAIN 1|YG75.4203|9050|14050|2|5|41.61
SYS :2023/05/11 02:57:37.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:37.939:LOCATION:location_validate_best_on_route_sol: last DR time
1683773857.54 GPS time 1683773858.0
SYS :2023/05/11 02:57:37.939:LOCATION:dead_reckoner: DR position [NS:5620,9050:1284] overwritten
with Abs pos[NS:5620,9050:1248] GPS time gap[-0.061000] GPS dist gap[-2.560414]
WARN:2023/05/11 02:57:37.940:LOCATION:dead_reckoner: GPS time gap[-0.061000] negative wrt
current time
SYS :2023/05/11 02:57:38.059:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1243]
CHR :2023/05/11
02:57:38.072:VETMS_CHM_RECORDER:2023/05/11|02:57:38.072|6|LOC|4|28.62|40|NS|5620|MAIN
1|YG73.0313|9050|1284|NS|5620|MAIN 1|YG75.4121|9050|14008|2|5|41.61
SYS :2023/05/11 02:57:38.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:38.091:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:38.912:LOCATION:location_validate_best_on_route_sol: last DR time
1683773858.59 GPS time 1683773859.0
SYS :2023/05/11 02:57:38.912:LOCATION:dead_reckoner: DR position [NS:5620,9050:1243] overwritten
with Abs pos[NS:5620,9050:1206] GPS time gap[-0.088000] GPS dist gap[-3.694592]
WARN:2023/05/11 02:57:38.912:LOCATION:dead_reckoner: GPS time gap[-0.088000] negative wrt
current time
SYS :2023/05/11 02:57:39.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1201]
CHR :2023/05/11
02:57:39.066:VETMS_CHM_RECORDER:2023/05/11|02:57:39.066|6|LOC|4|28.63|40|NS|5620|MAIN
1|YG73.0231|9050|1243|NS|5620|MAIN 1|YG75.4041|9050|13967|2|5|41.61
SYS :2023/05/11 02:57:39.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:39.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:39.073:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:39.195:BRAKING AND PREDICTION:Detected Emergency Brake Application at 28 MPH

WARN:2023/05/11 02:57:39.507:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:57:39.507:VETMS_CHM_RECORDER:2023/05/11|02:57:39.507|22|EMF|3|5100|2

SYS :2023/05/11 02:57:39.612:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-892] ignoring updates.

WARN:2023/05/11 02:57:39.612:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:57:39.612:VETMS_CHM_RECORDER:2023/05/11|02:57:39.612|22|EMF|3|5100|2

WARN:2023/05/11 02:57:39.640:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:57:39.640:VETMS_CHM_RECORDER:2023/05/11|02:57:39.640|22|EMF|3|5100|2

SYS :2023/05/11 02:57:39.921:LOCATION:location_validate_best_on_route_sol: last DR time 1683773859.54 GPS time 1683773860.0

SYS :2023/05/11 02:57:39.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:1201] overwritten with Abs pos[NS:5620,9050:1165] GPS time gap[-0.079000] GPS dist gap[-3.318395]

WARN:2023/05/11 02:57:39.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt current time

SYS :2023/05/11 02:57:40.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1160]

CHR :2023/05/11 02:57:40.068:VETMS_CHM_RECORDER:2023/05/11|02:57:40.068|6|LOC|4|28.65|40|NS|5620|MAIN 1|YG73.0147|9050|1201|NS|5620|MAIN 1|YG75.3960|9050|13925|2|5|41.61

SYS :2023/05/11 02:57:40.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:40.090:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:40.070:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:40.932:LOCATION:location_validate_best_on_route_sol: last DR time 1683773860.54 GPS time 1683773861.0

SYS :2023/05/11 02:57:40.932:LOCATION:dead_reckoner: DR position [NS:5620,9050:1160] overwritten with Abs pos[NS:5620,9050:1124] GPS time gap[-0.068000] GPS dist gap[-2.855660]

WARN:2023/05/11 02:57:40.932:LOCATION:dead_reckoner: GPS time gap[-0.068000] negative wrt current time

SYS :2023/05/11 02:57:41.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1119]

CHR :2023/05/11 02:57:41.067:VETMS_CHM_RECORDER:2023/05/11|02:57:41.067|6|LOC|4|28.64|40|NS|5620|MAIN 1|YG73.0066|9050|1160|NS|5620|MAIN 1|YG75.3880|9050|13884|2|5|41.61

SYS :2023/05/11 02:57:41.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:41.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:41.075:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:41.894:LOCATION:location_validate_best_on_route_sol: last DR time 1683773861.54 GPS time 1683773862.0

SYS :2023/05/11 02:57:41.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:1119] overwritten with Abs pos[NS:5620,9050:1083] GPS time gap[-0.106000] GPS dist gap[-4.426772]

WARN:2023/05/11 02:57:41.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt current time
SYS :2023/05/11 02:57:42.053:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1077]
CHR :2023/05/11
02:57:42.068:VETMS_CHM_RECORDER:2023/05/11|02:57:42.068|5|GPS|3|1|40:59.5573|N|80:24.3585|W|2|09|1.1
CHR :2023/05/11
02:57:42.068:VETMS_CHM_RECORDER:2023/05/11|02:57:42.068|5|GPS|3|2|40:59.5553|N|80:24.3590|W|2|08|1.2
CHR :2023/05/11
02:57:42.068:VETMS_CHM_RECORDER:2023/05/11|02:57:42.068|6|LOC|4|28.48|40|NS|5620|MAIN 1|YG72.9986|9050|1119|NS|5620|MAIN 1|YG75.3800|9050|13843|2|5|41.61
SYS :2023/05/11 02:57:42.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:42.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:42.076:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes
SYS :2023/05/11 02:57:42.909:LOCATION:location_validate_best_on_route_sol: last DR time 1683773862.53 GPS time 1683773863.0
SYS :2023/05/11 02:57:42.909:LOCATION:dead_reckoner: DR position [NS:5620,9050:1077] overwritten with Abs pos[NS:5620,9050:1043] GPS time gap[-0.091000] GPS dist gap[-3.726814]
WARN:2023/05/11 02:57:42.909:LOCATION:dead_reckoner: GPS time gap[-0.091000] negative wrt current time
SYS :2023/05/11 02:57:43.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:1038]
CHR :2023/05/11
02:57:43.067:VETMS_CHM_RECORDER:2023/05/11|02:57:43.067|6|LOC|4|27.93|40|NS|5620|MAIN 1|YG72.9912|9050|1077|NS|5620|MAIN 1|YG75.3718|9050|13801|2|5|41.61
SYS :2023/05/11 02:57:43.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:43.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:43.078:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes
WARN:2023/05/11 02:57:43.636:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:57:43.637:VETMS_CHM_RECORDER:2023/05/11|02:57:43.637|22|EMF|3|5100|2
WARN:2023/05/11 02:57:43.653:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
SYS :2023/05/11 02:57:43.653:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1058] ignoring updates.
CHR :2023/05/11 02:57:43.654:VETMS_CHM_RECORDER:2023/05/11|02:57:43.654|22|EMF|3|5100|2
SYS :2023/05/11 02:57:43.924:LOCATION:location_validate_best_on_route_sol: last DR time 1683773863.54 GPS time 1683773864.0
SYS :2023/05/11 02:57:43.924:LOCATION:dead_reckoner: DR position [NS:5620,9050:1038] overwritten with Abs pos[NS:5620,9050:1003] GPS time gap[-0.076000] GPS dist gap[-3.077164]
WARN:2023/05/11 02:57:43.924:LOCATION:dead_reckoner: GPS time gap[-0.076000] negative wrt current time
SYS :2023/05/11 02:57:44.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:998]
CHR :2023/05/11
02:57:44.066:VETMS_CHM_RECORDER:2023/05/11|02:57:44.066|6|LOC|4|27.61|40|NS|5620|MAIN 1|YG72.9843|9050|1038|NS|5620|MAIN 1|YG75.3642|9050|13762|2|5|41.61

SYS :2023/05/11 02:57:44.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:44.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:44.074:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:44.916:LOCATION:location_validate_best_on_route_sol: last DR time 1683773864.54 GPS time 1683773865.0

SYS :2023/05/11 02:57:44.916:LOCATION:dead_reckoner: DR position [NS:5620,9050:998] overwritten with Abs pos[NS:5620,9050:964] GPS time gap[-0.084000] GPS dist gap[-3.382344]

WARN:2023/05/11 02:57:44.917:LOCATION:dead_reckoner: GPS time gap[-0.084000] negative wrt current time

SYS :2023/05/11 02:57:45.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:959]

CHR :2023/05/11
02:57:45.066:VETMS_CHM_RECORDER:2023/05/11|02:57:45.066|6|LOC|4|27.46|40|NS|5620|MAIN
1|YG72.9773|9050|998|NS|5620|MAIN 1|YG75.3564|9050|13722|2|5|41.61

SYS :2023/05/11 02:57:45.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:45.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:45.074:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:45.914:LOCATION:location_validate_best_on_route_sol: last DR time 1683773865.54 GPS time 1683773866.0

SYS :2023/05/11 02:57:45.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:959] overwritten with Abs pos[NS:5620,9050:926] GPS time gap[-0.086000] GPS dist gap[-3.445504]

WARN:2023/05/11 02:57:45.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt current time

SYS :2023/05/11 02:57:46.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:921]

CHR :2023/05/11
02:57:46.067:VETMS_CHM_RECORDER:2023/05/11|02:57:46.067|6|LOC|4|27.32|40|NS|5620|MAIN
1|YG72.9704|9050|959|NS|5620|MAIN 1|YG75.3488|9050|13683|2|5|41.61

SYS :2023/05/11 02:57:46.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:46.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:46.079:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:46.904:LOCATION:location_validate_best_on_route_sol: last DR time 1683773866.54 GPS time 1683773867.0

SYS :2023/05/11 02:57:46.904:LOCATION:dead_reckoner: DR position [NS:5620,9050:921] overwritten with Abs pos[NS:5620,9050:888] GPS time gap[-0.096000] GPS dist gap[-3.801504]

WARN:2023/05/11 02:57:46.904:LOCATION:dead_reckoner: GPS time gap[-0.096000] negative wrt current time

SYS :2023/05/11 02:57:47.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:883]

CHR :2023/05/11
02:57:47.066:VETMS_CHM_RECORDER:2023/05/11|02:57:47.066|5|GPS|3|1|40:59.5803|N|80:24.3882|W|2|09|
1.1

CHR :2023/05/11
02:57:47.066:VETMS_CHM_RECORDER:2023/05/11|02:57:47.066|5|GPS|3|2|40:59.5784|N|80:24.3891|W|2|09|
1.1

CHR :2023/05/11
02:57:47.066:VETMS_CHM_RECORDER:2023/05/11|02:57:47.066|6|LOC|4|27.01|40|NS|5620|MAIN
1|YG72.9638|9050|921|NS|5620|MAIN 1|YG75.3413|9050|13645|2|5|41.61

SYS :2023/05/11 02:57:47.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:47.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:47.074:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

WARN:2023/05/11 02:57:47.636:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:57:47.636:VETMS_CHM_RECORDER:2023/05/11|02:57:47.636|22|EMF|3|5100|2

WARN:2023/05/11 02:57:47.663:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-3] seconds!

SYS :2023/05/11 02:57:47.663:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1214] ignoring updates.

WARN:2023/05/11 02:57:47.663:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:57:47.663:VETMS_CHM_RECORDER:2023/05/11|02:57:47.663|22|EMF|3|5100|2

CHR :2023/05/11 02:57:47.663:VETMS_CHM_RECORDER:2023/05/11|02:57:47.663|22|EMF|3|5100|2

SYS :2023/05/11 02:57:47.903:LOCATION:location_validate_best_on_route_sol: last DR time 1683773867.54 GPS time 1683773868.0

SYS :2023/05/11 02:57:47.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:883] overwritten with Abs pos[NS:5620,9050:851] GPS time gap[-0.097000] GPS dist gap[-3.780381]

WARN:2023/05/11 02:57:47.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt current time

SYS :2023/05/11 02:57:48.060:LOCATION:dead_reckoner: new DR position [NS:5620,9050:845]

CHR :2023/05/11
02:57:48.072:VETMS_CHM_RECORDER:2023/05/11|02:57:48.072|6|LOC|4|26.58|40|NS|5620|MAIN
1|YG72.9571|9050|883|NS|5620|MAIN 1|YG75.3339|9050|13607|2|5|41.61

SYS :2023/05/11 02:57:48.071:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:48.088:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:48.074:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:48.903:LOCATION:location_validate_best_on_route_sol: last DR time 1683773868.59 GPS time 1683773869.0

SYS :2023/05/11 02:57:48.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:845] overwritten with Abs pos[NS:5620,9050:815] GPS time gap[-0.097000] GPS dist gap[-3.707825]

WARN:2023/05/11 02:57:48.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt current time

SYS :2023/05/11 02:57:49.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:810]

CHR :2023/05/11
02:57:49.066:VETMS_CHM_RECORDER:2023/05/11|02:57:49.066|6|LOC|4|26.07|40|NS|5620|MAIN
1|YG72.9504|9050|845|NS|5620|MAIN 1|YG75.3265|9050|13569|2|5|41.61

SYS :2023/05/11 02:57:49.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:49.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:49.073:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying Brakes

SYS :2023/05/11 02:57:49.938:LOCATION:location_validate_best_on_route_sol: last DR time 1683773869.54 GPS time 1683773870.0

```
SYS :2023/05/11 02:57:49.938:LOCATION:dead_reckoner: DR position [NS:5620,9050:810] overwritten
with Abs pos[NS:5620,9050:780] GPS time gap[-0.062000] GPS dist gap[-2.320412]
WARN:2023/05/11 02:57:49.938:LOCATION:dead_reckoner: GPS time gap[-0.062000] negative wrt
current time
SYS :2023/05/11 02:57:50.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:776]
CHR :2023/05/11
02:57:50.067:VETMS_CHM_RECORDER:2023/05/11|02:57:50.067|6|LOC|4|25.52|40|NS|5620|MAIN
1|YG72.9442|9050|810|NS|5620|MAIN 1|YG75.3197|9050|13534|2|5|41.61
SYS :2023/05/11 02:57:50.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:50.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:50.079:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying
Brakes
SYS :2023/05/11 02:57:50.897:LOCATION:location_validate_best_on_route_sol: last DR time
1683773870.54 GPS time 1683773871.0
SYS :2023/05/11 02:57:50.898:LOCATION:dead_reckoner: DR position [NS:5620,9050:776] overwritten
with Abs pos[NS:5620,9050:746] GPS time gap[-0.102000] GPS dist gap[-3.715452]
WARN:2023/05/11 02:57:50.898:LOCATION:dead_reckoner: GPS time gap[-0.102000] negative wrt
current time
SYS :2023/05/11 02:57:51.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:741]
CHR :2023/05/11
02:57:51.068:VETMS_CHM_RECORDER:2023/05/11|02:57:51.068|6|LOC|4|24.84|40|NS|5620|MAIN
1|YG72.9382|9050|776|NS|5620|MAIN 1|YG75.3131|9050|13500|2|5|41.61
SYS :2023/05/11 02:57:51.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:51.069:CPU2-Logger:[app] cur_size (358418) > max_size (358400)
####:2023/05/11 02:57:51.071: New Log File
SYS :2023/05/11 02:57:51.071:CPU2-Logger:New [app] log file created on CPU-2.los178.230-cpu1900
[lsize]
SYS :2023/05/11 02:57:51.071:CPU2-Logger:Current Running SW Version: 6.3.24.1
SYS :2023/05/11 02:57:51.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:51.080:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying
Brakes
CHR :2023/05/11 02:57:51.091:VETMS_CHM_RECORDER:2023/05/11|02:57:51.091|3|TRN|4|NS
4342|1|NS.14M.0.05102023|NS|623|0319585|NS|2|623|FR|F|3|20209|213|852|12724|144|69|4909703|40
SYS :2023/05/11 02:57:51.096:LogMgr:Compress: /disk/var/log/app.NS.4342.20230511025751.log
(358503 bytes) -> /disk/var/log/app.NS.4342.20230511025751.log.gz
SYS :2023/05/11 02:57:51.122:LogMgr:Monitor: /disk/var/log/app.NS.4342.20230511025751.log.gz
(38939 bytes)
WARN:2023/05/11 02:57:51.438:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:57:51.438:VETMS_CHM_RECORDER:2023/05/11|02:57:51.438|22|EMF|3|5100|2
SYS :2023/05/11 02:57:51.609:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1359] ignoring updates.
WARN:2023/05/11 02:57:51.685:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-5] seconds!
CHR :2023/05/11 02:57:51.685:VETMS_CHM_RECORDER:2023/05/11|02:57:51.685|22|EMF|3|5100|2
WARN:2023/05/11 02:57:51.810:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-1] seconds!
```

CHR :2023/05/11 02:57:51.810:VETMS_CHM_RECORDER:2023/05/11|02:57:51.810|22|EMF|3|5100|2
SYS :2023/05/11 02:57:51.906:LOCATION:location_validate_best_on_route_sol: last DR time
1683773871.54 GPS time 1683773872.0
SYS :2023/05/11 02:57:51.906:LOCATION:dead_reckoner: DR position [NS:5620,9050:741] overwritten
with Abs pos[NS:5620,9050:713] GPS time gap[-0.094000] GPS dist gap[-3.275806]
WARN:2023/05/11 02:57:51.906:LOCATION:dead_reckoner: GPS time gap[-0.094000] negative wrt
current time
SYS :2023/05/11 02:57:52.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:708]
CHR :2023/05/11
02:57:52.069:VETMS_CHM_RECORDER:2023/05/11|02:57:52.069|5|GPS|3|1|40:59.5999|N|80:24.4161|W|2|09|
1.1
CHR :2023/05/11
02:57:52.069:VETMS_CHM_RECORDER:2023/05/11|02:57:52.069|5|GPS|3|2|40:59.5983|N|80:24.4173|W|2|09|
1.1
CHR :2023/05/11
02:57:52.069:VETMS_CHM_RECORDER:2023/05/11|02:57:52.069|6|LOC|4|23.77|40|NS|5620|MAIN
1|YG72.9321|9050|741|NS|5620|MAIN 1|YG75.3062|9050|13465|2|5|41.61
SYS :2023/05/11 02:57:52.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:52.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:52.076:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying
Brakes
SYS :2023/05/11 02:57:52.919:LOCATION:location_validate_best_on_route_sol: last DR time
1683773872.55 GPS time 1683773873.0
SYS :2023/05/11 02:57:52.919:LOCATION:dead_reckoner: DR position [NS:5620,9050:708] overwritten
with Abs pos[NS:5620,9050:681] GPS time gap[-0.081000] GPS dist gap[-2.758050]
WARN:2023/05/11 02:57:52.919:LOCATION:dead_reckoner: GPS time gap[-0.081000] negative wrt
current time
SYS :2023/05/11 02:57:53.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:677]
CHR :2023/05/11
02:57:53.069:VETMS_CHM_RECORDER:2023/05/11|02:57:53.069|6|LOC|4|23.22|40|NS|5620|MAIN
1|YG72.9263|9050|708|NS|5620|MAIN 1|YG75.2998|9050|13432|2|5|41.61
SYS :2023/05/11 02:57:53.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:53.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:53.076:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying
Brakes
SYS :2023/05/11 02:57:53.901:LOCATION:location_validate_best_on_route_sol: last DR time
1683773873.54 GPS time 1683773874.0
SYS :2023/05/11 02:57:53.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:677] overwritten
with Abs pos[NS:5620,9050:651] GPS time gap[-0.099000] GPS dist gap[-3.282939]
WARN:2023/05/11 02:57:53.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt
current time
SYS :2023/05/11 02:57:54.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:646]
CHR :2023/05/11
02:57:54.067:VETMS_CHM_RECORDER:2023/05/11|02:57:54.067|6|LOC|4|22.62|40|NS|5620|MAIN
1|YG72.9208|9050|677|NS|5620|MAIN 1|YG75.2937|9050|13401|2|5|41.61
SYS :2023/05/11 02:57:54.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:54.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:54.078:BRAKING AND PREDICTION:Disarming BPP Setpoint Logic - Applying

Brakes

SYS :2023/05/11 02:57:54.910:LOCATION:location_validate_best_on_route_sol: last DR time
1683773874.55 GPS time 1683773875.0

SYS :2023/05/11 02:57:54.910:LOCATION:dead_reckoner: DR position [NS:5620,9050:646] overwritten
with Abs pos[NS:5620,9050:621] GPS time gap[-0.090000] GPS dist gap[-2.887200]

WARN:2023/05/11 02:57:54.910:LOCATION:dead_reckoner: GPS time gap[-0.090000] negative wrt
current time

SYS :2023/05/11 02:57:55.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:617]

CHR :2023/05/11
02:57:55.068:VETMS_CHM_RECORDER:2023/05/11|02:57:55.068|6|LOC|4|21.88|40|NS|5620|MAIN
1|YG72.9154|9050|646|NS|5620|MAIN 1|YG75.2877|9050|13370|2|5|41.61

SYS :2023/05/11 02:57:55.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:55.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:57:55.606:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1489] ignoring updates.

WARN:2023/05/11 02:57:55.606:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!

WARN:2023/05/11 02:57:55.606:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!

CHR :2023/05/11 02:57:55.607:VETMS_CHM_RECORDER:2023/05/11|02:57:55.607|22|EMF|3|5100|2
CHR :2023/05/11 02:57:55.607:VETMS_CHM_RECORDER:2023/05/11|02:57:55.607|22|EMF|3|5100|2

WARN:2023/05/11 02:57:55.732:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-1] seconds!

CHR :2023/05/11 02:57:55.732:VETMS_CHM_RECORDER:2023/05/11|02:57:55.732|22|EMF|3|5100|2

SYS :2023/05/11 02:57:55.894:LOCATION:location_validate_best_on_route_sol: last DR time
1683773875.55 GPS time 1683773876.0

SYS :2023/05/11 02:57:55.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:617] overwritten
with Abs pos[NS:5620,9050:592] GPS time gap[-0.106000] GPS dist gap[-3.293314]

WARN:2023/05/11 02:57:55.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt
current time

SYS :2023/05/11 02:57:56.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:588]

CHR :2023/05/11
02:57:56.069:VETMS_CHM_RECORDER:2023/05/11|02:57:56.069|6|LOC|4|21.19|40|NS|5620|MAIN
1|YG72.9103|9050|617|NS|5620|MAIN 1|YG75.2820|9050|13341|2|5|41.61

SYS :2023/05/11 02:57:56.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:57:56.084:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

ERR :2023/05/11 02:57:56.216:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)

SYS :2023/05/11 02:57:56.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773876.54 GPS time 1683773877.0

SYS :2023/05/11 02:57:56.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:588] overwritten
with Abs pos[NS:5620,9050:566] GPS time gap[-0.097000] GPS dist gap[-2.908739]

WARN:2023/05/11 02:57:56.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time

SYS :2023/05/11 02:57:57.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:562]

CHR :2023/05/11
02:57:57.067:VETMS_CHM_RECORDER:2023/05/11|02:57:57.067|5|GPS|3|1|40:59.6153|N|80:24.4406|W|2|09|
1.1

CHR :2023/05/11
02:57:57.067:VETMS_CHM_RECORDER:2023/05/11|02:57:57.067|5|GPS|3|2|40:59.6138|N|80:24.4419|W|2|09|1.1
SYS :2023/05/11 02:57:57.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:57:57.067:VETMS_CHM_RECORDER:2023/05/11|02:57:57.067|6|LOC|4|20.45|40|NS|5620|MAIN 1|YG72.9052|9050|588|NS|5620|MAIN 1|YG75.2764|9050|13312|2|5|41.61
SYS :2023/05/11 02:57:57.083:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:57.905:LOCATION:location_validate_best_on_route_sol: last DR time 1683773877.55 GPS time 1683773878.0
SYS :2023/05/11 02:57:57.905:LOCATION:dead_reckoner: DR position [NS:5620,9050:562] overwritten with Abs pos[NS:5620,9050:543] GPS time gap[-0.095000] GPS dist gap[-2.714340]
WARN:2023/05/11 02:57:57.905:LOCATION:dead_reckoner: GPS time gap[-0.095000] negative wrt current time
SYS :2023/05/11 02:57:58.060:LOCATION:dead_reckoner: new DR position [NS:5620,9050:539]
CHR :2023/05/11
02:57:58.073:VETMS_CHM_RECORDER:2023/05/11|02:57:58.073|6|LOC|4|19.49|40|NS|5620|MAIN 1|YG72.9006|9050|562|NS|5620|MAIN 1|YG75.2713|9050|13286|2|5|41.61
SYS :2023/05/11 02:57:58.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:58.083:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:58.935:LOCATION:location_validate_best_on_route_sol: last DR time 1683773878.60 GPS time 1683773879.0
SYS :2023/05/11 02:57:58.935:LOCATION:dead_reckoner: DR position [NS:5620,9050:539] overwritten with Abs pos[NS:5620,9050:519] GPS time gap[-0.065000] GPS dist gap[-1.756040]
WARN:2023/05/11 02:57:58.935:LOCATION:dead_reckoner: GPS time gap[-0.065000] negative wrt current time
SYS :2023/05/11 02:57:59.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:516]
CHR :2023/05/11
02:57:59.067:VETMS_CHM_RECORDER:2023/05/11|02:57:59.067|6|LOC|4|18.43|40|NS|5620|MAIN 1|YG72.8965|9050|539|NS|5620|MAIN 1|YG75.2668|9050|13263|2|5|41.61
SYS :2023/05/11 02:57:59.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:57:59.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:57:59.632:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1596] ignoring updates.
WARN:2023/05/11 02:57:59.654:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:57:59.655:VETMS_CHM_RECORDER:2023/05/11|02:57:59.655|22|EMF|3|5100|2
WARN:2023/05/11 02:57:59.706:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:57:59.706:VETMS_CHM_RECORDER:2023/05/11|02:57:59.706|22|EMF|3|5100|2
WARN:2023/05/11 02:57:59.856:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-1] seconds!
CHR :2023/05/11 02:57:59.856:VETMS_CHM_RECORDER:2023/05/11|02:57:59.856|22|EMF|3|5100|2
SYS :2023/05/11 02:57:59.901:LOCATION:location_validate_best_on_route_sol: last DR time 1683773879.55 GPS time 1683773880.0

SYS :2023/05/11 02:57:59.901:LOCATION:dead_reckoner: DR position [NS:5620,9050:516] overwritten with Abs pos[NS:5620,9050:497] GPS time gap[-0.099000] GPS dist gap[-2.565486]
WARN:2023/05/11 02:57:59.901:LOCATION:dead_reckoner: GPS time gap[-0.099000] negative wrt current time

SYS :2023/05/11 02:58:00.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:494]
CHR :2023/05/11
02:58:00.067:VETMS_CHM_RECORDER:2023/05/11|02:58:00.067|6|LOC|4|17.67|40|NS|5620|MAIN
1|YG72.8925|9050|516|NS|5620|MAIN 1|YG75.2623|9050|13240|2|5|41.61

SYS :2023/05/11 02:58:00.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:00.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:00.083:ENFORCEMENT:,SPD,17.7,mph,LL:MP,72.8856, NS, 5620, 9050, 477,TL,MP,75.2614, NS, 5620, 9050,13235,BPP,000,EOT,000,ARP,084,ERP,085,BCP,018,PBCP,018,LBCP,000,FLOW,000,ABM State,2,TN,000,TE,00000,DBON,0,DBE,00488,PCS,1,STS,00,GRD, 0.05%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,15.0,LEN,12724,WGT,20800,LMF,+0000000,LRF,-0001094,L BF,-0037459,CRF,-0037391,CBF,-0403710,GF,-0024913,CF,-0005002,

SYS :2023/05/11
02:58:00.083:ENFORCEMENT:,PA,-0.28560,*,AA,-0.75140,TTE,***,DTE,***,TD,***,ECL,00518,ECT,31,EMS,1 7.6,BCL,00725,BCT,33,BMS,17.6,PCL,00469,PCT,33,WCL,00000,WCT,3,WMS,0.0,SFO,0255,

SYS :2023/05/11 02:58:00.932:LOCATION:location_validate_best_on_route_sol: last DR time 1683773880.55 GPS time 1683773881.0

SYS :2023/05/11 02:58:00.932:LOCATION:dead_reckoner: DR position [NS:5620,9050:494] overwritten with Abs pos[NS:5620,9050:477] GPS time gap[-0.068000] GPS dist gap[-1.558084]
WARN:2023/05/11 02:58:00.932:LOCATION:dead_reckoner: GPS time gap[-0.068000] negative wrt current time

SYS :2023/05/11 02:58:01.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:475]
CHR :2023/05/11
02:58:01.068:VETMS_CHM_RECORDER:2023/05/11|02:58:01.068|6|LOC|4|15.63|40|NS|5620|MAIN
1|YG72.8886|9050|494|NS|5620|MAIN 1|YG75.2581|9050|13218|2|5|41.61

SYS :2023/05/11 02:58:01.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:01.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:01.913:LOCATION:location_validate_best_on_route_sol: last DR time 1683773881.55 GPS time 1683773882.0

SYS :2023/05/11 02:58:01.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:475] overwritten with Abs pos[NS:5620,9050:457] GPS time gap[-0.087000] GPS dist gap[-1.881723]
WARN:2023/05/11 02:58:01.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt current time

SYS :2023/05/11 02:58:02.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:454]
CHR :2023/05/11
02:58:02.068:VETMS_CHM_RECORDER:2023/05/11|02:58:02.068|5|GPS|3|1|40:59.6262|N|80:24.4594|W|2|09|1.1
CHR :2023/05/11
02:58:02.068:VETMS_CHM_RECORDER:2023/05/11|02:58:02.068|5|GPS|3|2|40:59.6252|N|80:24.4616|W|2|09|1.1
CHR :2023/05/11
02:58:02.068:VETMS_CHM_RECORDER:2023/05/11|02:58:02.068|6|LOC|4|14.75|40|NS|5620|MAIN
1|YG72.8853|9050|475|NS|5620|MAIN 1|YG75.2543|9050|13199|2|5|41.61

SYS :2023/05/11 02:58:02.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:02.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch

[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:02.941:LOCATION:location_validate_best_on_route_sol: last DR time
1683773882.55 GPS time 1683773883.0
SYS :2023/05/11 02:58:02.941:LOCATION:dead_reckoner: DR position [NS:5620,9050:454] overwritten
with Abs pos[NS:5620,9050:440] GPS time gap[-0.059000] GPS dist gap[-1.193216]
WARN:2023/05/11 02:58:02.941:LOCATION:dead_reckoner: GPS time gap[-0.059000] negative wrt
current time
SYS :2023/05/11 02:58:03.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:438]
CHR :2023/05/11
02:58:03.067:VETMS_CHM_RECORDER:2023/05/11|02:58:03.067|6|LOC|4|13.79|40|NS|5620|MAIN
1|YG72.8816|9050|454|NS|5620|MAIN 1|YG75.2502|9050|13178|2|5|41.61
SYS :2023/05/11 02:58:03.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:03.074:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:03.079:BRAKING AND PREDICTION:Uprating Dynamic Braking by 14.7 axle(s)
[actual -0.1405] [predicted -0.0512] [total -629216.687500]
WARN:2023/05/11 02:58:03.597:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:58:03.597:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1681] ignoring updates.
CHR :2023/05/11 02:58:03.597:VETMS_CHM_RECORDER:2023/05/11|02:58:03.597|22|EMF|3|5100|2
WARN:2023/05/11 02:58:03.637:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:03.638:VETMS_CHM_RECORDER:2023/05/11|02:58:03.638|22|EMF|3|5100|2
SYS :2023/05/11 02:58:03.662:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1681] ignoring updates.
SYS :2023/05/11 02:58:03.921:LOCATION:location_validate_best_on_route_sol: last DR time
1683773883.55 GPS time 1683773884.0
SYS :2023/05/11 02:58:03.921:LOCATION:dead_reckoner: DR position [NS:5620,9050:438] overwritten
with Abs pos[NS:5620,9050:425] GPS time gap[-0.079000] GPS dist gap[-1.489940]
WARN:2023/05/11 02:58:03.921:LOCATION:dead_reckoner: GPS time gap[-0.079000] negative wrt
current time
SYS :2023/05/11 02:58:04.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:423]
CHR :2023/05/11
02:58:04.070:VETMS_CHM_RECORDER:2023/05/11|02:58:04.070|6|LOC|4|12.86|40|NS|5620|MAIN
1|YG72.8788|9050|438|NS|5620|MAIN 1|YG75.2471|9050|13162|2|5|41.61
SYS :2023/05/11 02:58:04.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:04.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:04.086:BRAKING AND PREDICTION:Uprating Dynamic Braking by 14.4 axle(s)
[actual -0.1364] [predicted -0.0544] [total -670249.187500]
SYS :2023/05/11 02:58:04.914:LOCATION:location_validate_best_on_route_sol: last DR time
1683773884.55 GPS time 1683773885.0
SYS :2023/05/11 02:58:04.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:423] overwritten
with Abs pos[NS:5620,9050:411] GPS time gap[-0.086000] GPS dist gap[-1.489778]
WARN:2023/05/11 02:58:04.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt
current time
SYS :2023/05/11 02:58:05.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:409]
CHR :2023/05/11
02:58:05.068:VETMS_CHM_RECORDER:2023/05/11|02:58:05.068|6|LOC|4|11.82|40|NS|5620|MAIN

1|YG72.8761|9050|423|NS|5620|MAIN 1|YG75.2442|9050|13147|2|5|41.61
SYS :2023/05/11 02:58:05.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:05.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:05.080:BRAKING AND PREDICTION:Uprating Dynamic Braking by 14.1 axle(s)
[actual -0.1537] [predicted -0.0577] [total -713759.812500]
SYS :2023/05/11 02:58:05.903:LOCATION:location_validate_best_on_route_sol: last DR time
1683773885.55 GPS time 1683773886.0
SYS :2023/05/11 02:58:05.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:409] overwritten
with Abs pos[NS:5620,9050:400] GPS time gap[-0.097000] GPS dist gap[-1.502918]
WARN:2023/05/11 02:58:05.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
SYS :2023/05/11 02:58:06.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:398]
CHR :2023/05/11
02:58:06.068:VETMS_CHM_RECORDER:2023/05/11|02:58:06.068|6|LOC|4|10.57|40|NS|5620|MAIN
1|YG72.8737|9050|409|NS|5620|MAIN 1|YG75.2415|9050|13133|2|5|41.61
SYS :2023/05/11 02:58:06.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:06.075:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:06.080:BRAKING AND PREDICTION:Uprating Dynamic Braking by 13.8 axle(s)
[actual -0.1829] [predicted -0.0614] [total -760212.437500]
CHR :2023/05/11
02:58:06.083:VETMS_CHM_RECORDER:2023/05/11|02:58:06.083|16|TGT|4|151|304|0|4|NS|5620|9053|14847|N
S|5620|9048|0|EQUIPMENT RESTRICTIO|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|SPEED
RESTRICTION|40|0|0|NS|5620|9053|14847|NS|5620|9048|0|PERMANENT SPEED
REST|40|0|0|NS|5620|9052|385|NS|5620|905
CHR :2023/05/11 02:58:06.083:VETMS_CHM_RECORDER:2|0|PERMANENT SPEED REST|30|0|0
SYS :2023/05/11 02:58:06.917:LOCATION:location_validate_best_on_route_sol: last DR time
1683773886.55 GPS time 1683773887.0
SYS :2023/05/11 02:58:06.917:LOCATION:dead_reckoner: DR position [NS:5620,9050:398] overwritten
with Abs pos[NS:5620,9050:389] GPS time gap[-0.083000] GPS dist gap[-1.135855]
WARN:2023/05/11 02:58:06.917:LOCATION:dead_reckoner: GPS time gap[-0.083000] negative wrt
current time
SYS :2023/05/11 02:58:07.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:388]
WARN:2023/05/11 02:58:07.066:HORN_MGR:PTC pos invalid or slow/no speed (9.30 mph), Horn Mgr is
disabled.
CHR :2023/05/11
02:58:07.067:VETMS_CHM_RECORDER:2023/05/11|02:58:07.067|5|GPS|3|1|40:59.6331|N|80:24.4711|W|2|09|
1.1
CHR :2023/05/11
02:58:07.067:VETMS_CHM_RECORDER:2023/05/11|02:58:07.067|5|GPS|3|2|40:59.6319|N|80:24.4733|W|2|09|
1.1
SYS :2023/05/11 02:58:07.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
CHR :2023/05/11
02:58:07.067:VETMS_CHM_RECORDER:2023/05/11|02:58:07.067|6|LOC|4|9.34|40|NS|5620|MAIN
1|YG72.8717|9050|398|NS|5620|MAIN 1|YG75.2393|9050|13122|2|5|41.61
SYS :2023/05/11 02:58:07.078:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:07.083:BRAKING AND PREDICTION:Uprating Dynamic Braking by 13.5 axle(s)
[actual -0.1809] [predicted -0.0651] [total -808320.625000]
WARN:2023/05/11 02:58:07.599:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU

ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!
WARN:2023/05/11 02:58:07.599:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:58:07.600:VETMS_CHM_RECORDER:2023/05/11|02:58:07.600|22|EMF|3|5100|2
CHR :2023/05/11 02:58:07.600:VETMS_CHM_RECORDER:2023/05/11|02:58:07.600|22|EMF|3|5100|2
SYS :2023/05/11 02:58:07.700:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1737] ignoring updates.
WARN:2023/05/11 02:58:07.721:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-1] seconds!
CHR :2023/05/11 02:58:07.722:VETMS_CHM_RECORDER:2023/05/11|02:58:07.722|22|EMF|3|5100|2
SYS :2023/05/11 02:58:07.914:LOCATION:location_validate_best_on_route_sol: last DR time 1683773887.55 GPS time 1683773888.0
SYS :2023/05/11 02:58:07.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:388] overwritten with Abs pos[NS:5620,9050:380] GPS time gap[-0.086000] GPS dist gap[-1.033462]
WARN:2023/05/11 02:58:07.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt current time
SYS :2023/05/11 02:58:08.060:LOCATION:dead_reckoner: new DR position [NS:5620,9050:379]
CHR :2023/05/11
02:58:08.073:VETMS_CHM_RECORDER:2023/05/11|02:58:08.073|6|LOC|4|8.20|40|NS|5620|MAIN
1|YG72.8700|9050|388|NS|5620|MAIN 1|YG75.2374|9050|13112|2|5|41.61
SYS :2023/05/11 02:58:08.071:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:08.083:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:08.088:BRAKING AND PREDICTION:Uprating Dynamic Braking by 13.2 axle(s) [actual -0.1668] [predicted -0.0690] [total -857821.125000]
SYS :2023/05/11 02:58:08.914:LOCATION:location_validate_best_on_route_sol: last DR time 1683773888.60 GPS time 1683773889.0
SYS :2023/05/11 02:58:08.914:LOCATION:dead_reckoner: DR position [NS:5620,9050:379] overwritten with Abs pos[NS:5620,9050:372] GPS time gap[-0.086000] GPS dist gap[-0.896980]
WARN:2023/05/11 02:58:08.914:LOCATION:dead_reckoner: GPS time gap[-0.086000] negative wrt current time
SYS :2023/05/11 02:58:09.054:LOCATION:dead_reckoner: new DR position [NS:5620,9050:371]
CHR :2023/05/11
02:58:09.066:VETMS_CHM_RECORDER:2023/05/11|02:58:09.066|6|LOC|4|7.12|40|NS|5620|MAIN
1|YG72.8684|9050|379|NS|5620|MAIN 1|YG75.2356|9050|13103|2|5|41.61
SYS :2023/05/11 02:58:09.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:09.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:09.077:BRAKING AND PREDICTION:Uprating Dynamic Braking by 12.9 axle(s) [actual -0.1587] [predicted -0.0727] [total -905503.312500]
SYS :2023/05/11 02:58:09.919:LOCATION:location_validate_best_on_route_sol: last DR time 1683773889.54 GPS time 1683773890.0
SYS :2023/05/11 02:58:09.919:LOCATION:dead_reckoner: DR position [NS:5620,9050:371] overwritten with Abs pos[NS:5620,9050:365] GPS time gap[-0.081000] GPS dist gap[-0.749088]
WARN:2023/05/11 02:58:09.919:LOCATION:dead_reckoner: GPS time gap[-0.081000] negative wrt current time
SYS :2023/05/11 02:58:10.055:LOCATION:dead_reckoner: new DR position [NS:5620,9050:364]
SYS :2023/05/11 02:58:10.067:WHEEL_CALIBRATION:wc_end_distance_calibration: Exiting mapped calibration [Tach Speed too Slow] [1197/13600] [ILC: 1229.58 (V)]

CHR :2023/05/11
02:58:10.068:VETMS_CHM_RECORDER:2023/05/11|02:58:10.068|6|LOC|4|6.31|40|NS|5620|MAIN
1|YG72.8670|9050|371|NS|5620|MAIN 1|YG75.2341|9050|13095|2|5|41.61
SYS :2023/05/11 02:58:10.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:10.074:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:10.078:BRAKING AND PREDICTION:Uprating Dynamic Braking by 12.6 axle(s)
[actual -0.1182] [predicted -0.0762] [total -951233.812500]
SYS :2023/05/11 02:58:10.913:LOCATION:location_validate_best_on_route_sol: last DR time
1683773890.55 GPS time 1683773891.0
SYS :2023/05/11 02:58:10.913:LOCATION:dead_reckoner: DR position [NS:5620,9050:364] overwritten
with Abs pos[NS:5620,9050:359] GPS time gap[-0.087000] GPS dist gap[-0.685821]
WARN:2023/05/11 02:58:10.913:LOCATION:dead_reckoner: GPS time gap[-0.087000] negative wrt
current time
SYS :2023/05/11 02:58:11.057:LOCATION:dead_reckoner: new DR position [NS:5620,9050:358]
CHR :2023/05/11
02:58:11.070:VETMS_CHM_RECORDER:2023/05/11|02:58:11.070|6|LOC|4|5.38|40|NS|5620|MAIN
1|YG72.8657|9050|364|NS|5620|MAIN 1|YG75.2327|9050|13088|2|5|41.61
SYS :2023/05/11 02:58:11.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:11.077:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:11.081:BRAKING AND PREDICTION:Uprating Dynamic Braking by 12.3 axle(s)
[actual -0.1365] [predicted -0.0799] [total -997607.750000]
SYS :2023/05/11 02:58:11.492:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1771] ignoring updates.
WARN:2023/05/11 02:58:11.613:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:11.613:VETMS_CHM_RECORDER:2023/05/11|02:58:11.613|22|EMF|3|5100|2
WARN:2023/05/11 02:58:11.662:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:58:11.662:VETMS_CHM_RECORDER:2023/05/11|02:58:11.662|22|EMF|3|5100|2
WARN:2023/05/11 02:58:11.693:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:11.693:VETMS_CHM_RECORDER:2023/05/11|02:58:11.693|22|EMF|3|5100|2
SYS :2023/05/11 02:58:11.894:LOCATION:location_validate_best_on_route_sol: last DR time
1683773891.57 GPS time 1683773892.0
SYS :2023/05/11 02:58:11.894:LOCATION:dead_reckoner: DR position [NS:5620,9050:358] overwritten
with Abs pos[NS:5620,9050:355] GPS time gap[-0.106000] GPS dist gap[-0.696420]
WARN:2023/05/11 02:58:11.894:LOCATION:dead_reckoner: GPS time gap[-0.106000] negative wrt
current time
SYS :2023/05/11 02:58:12.057:LOCATION:dead_reckoner: new DR position [NS:5620,9050:354]
CHR :2023/05/11
02:58:12.069:VETMS_CHM_RECORDER:2023/05/11|02:58:12.069|5|GPS|3|1|40:59.6365|N|80:24.4770|W|2|09|
1.1
CHR :2023/05/11
02:58:12.069:VETMS_CHM_RECORDER:2023/05/11|02:58:12.069|5|GPS|3|2|40:59.6355|N|80:24.4788|W|2|08|
1.1
CHR :2023/05/11
02:58:12.070:VETMS_CHM_RECORDER:2023/05/11|02:58:12.070|6|LOC|4|4.48|40|NS|5620|MAIN

1|YG72.8647|9050|358|NS|5620|MAIN 1|YG75.2315|9050|13082|2|5|41.61
SYS :2023/05/11 02:58:12.069:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:12.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:12.076:BRAKING AND PREDICTION:Uprating Dynamic Braking by 12.0 axle(s)
[actual -0.1313] [predicted -0.0835] [total -1044737.062500]
SYS :2023/05/11 02:58:12.902:LOCATION:location_validate_best_on_route_sol: last DR time
1683773892.57 GPS time 1683773893.0
SYS :2023/05/11 02:58:12.903:LOCATION:dead_reckoner: DR position [NS:5620,9050:354] overwritten
with Abs pos[NS:5620,9050:352] GPS time gap[-0.097000] GPS dist gap[-0.515652]
WARN:2023/05/11 02:58:12.903:LOCATION:dead_reckoner: GPS time gap[-0.097000] negative wrt
current time
CHR :2023/05/11
02:58:13.070:VETMS_CHM_RECORDER:2023/05/11|02:58:13.070|6|LOC|4|3.63|40|NS|5620|MAIN
1|YG72.8640|9050|354|NS|5620|MAIN 1|YG75.2307|9050|13078|2|5|41.61
SYS :2023/05/11 02:58:13.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:13.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:13.080:BRAKING AND PREDICTION:Uprating Dynamic Braking by 11.7 axle(s)
[actual -0.1254] [predicted -0.0872] [total -1091776.375000]
SYS :2023/05/11 02:58:13.932:LOCATION:location_validate_best_on_route_sol: last DR time
1683773893.57 GPS time 1683773894.0
SYS :2023/05/11 02:58:13.933:LOCATION:dead_reckoner: DR position [NS:5620,9050:352] overwritten
with Abs pos[NS:5620,9050:351] GPS time gap[-0.067000] GPS dist gap[-0.280998]
WARN:2023/05/11 02:58:13.933:LOCATION:dead_reckoner: GPS time gap[-0.067000] negative wrt
current time
CHR :2023/05/11
02:58:14.070:VETMS_CHM_RECORDER:2023/05/11|02:58:14.070|6|LOC|4|2.86|40|NS|5620|MAIN
1|YG72.8636|9050|352|NS|5620|MAIN 1|YG75.2304|9050|13076|2|5|41.61
SYS :2023/05/11 02:58:14.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:14.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:14.084:BRAKING AND PREDICTION:Uprating Dynamic Braking by 11.6 axle(s)
[actual -0.1122] [predicted -0.0909] [total -1138913.125000]
SYS :2023/05/11 02:58:14.931:LOCATION:location_validate_best_on_route_sol: last DR time
1683773894.57 GPS time 1683773895.0
SYS :2023/05/11 02:58:14.931:LOCATION:dead_reckoner: DR position [NS:5620,9050:351] overwritten
with Abs pos[NS:5620,9050:350] GPS time gap[-0.069000] GPS dist gap[-0.216177]
WARN:2023/05/11 02:58:14.931:LOCATION:dead_reckoner: GPS time gap[-0.069000] negative wrt
current time
CHR :2023/05/11
02:58:15.072:VETMS_CHM_RECORDER:2023/05/11|02:58:15.072|6|LOC|4|2.14|40|NS|5620|MAIN
1|YG72.8635|9050|351|NS|5620|MAIN 1|YG75.2302|9050|13075|2|5|41.61
SYS :2023/05/11 02:58:15.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:15.082:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:58:15.497:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:15.497:VETMS_CHM_RECORDER:2023/05/11|02:58:15.497|22|EMF|3|5100|2

WARN:2023/05/11 02:58:15.631:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:58:15.631:VETMS_CHM_RECORDER:2023/05/11|02:58:15.631|22|EMF|3|5100|2

SYS :2023/05/11 02:58:15.669:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1784] ignoring updates.

WARN:2023/05/11 02:58:15.697:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-1] seconds!

CHR :2023/05/11 02:58:15.697:VETMS_CHM_RECORDER:2023/05/11|02:58:15.697|22|EMF|3|5100|2

SYS :2023/05/11 02:58:15.945:LOCATION:location_validate_best_on_route_sol: last DR time 1683773895.57 GPS time 1683773896.0

SYS :2023/05/11 02:58:15.945:LOCATION:dead_reckoner: DR position [NS:5620,9050:350] overwritten with Abs pos[NS:5620,9050:351] GPS time gap[-0.055000] GPS dist gap[-0.102300]

WARN:2023/05/11 02:58:15.945:LOCATION:dead_reckoner: GPS time gap[-0.055000] negative wrt current time

CHR :2023/05/11

02:58:16.070:VETMS_CHM_RECORDER:2023/05/11|02:58:16.070|6|LOC|4|1.27|40|NS|5620|MAIN 1|YG72.8633|9050|350|NS|5620|MAIN 1|YG75.2300|9050|13074|2|5|41.61

SYS :2023/05/11 02:58:16.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:16.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:16.080:BRAKING AND PREDICTION:Uprating Dynamic Braking by 11.3 axle(s) [actual -0.2334] [predicted -0.1931] [total -1237932.000000]

SYS :2023/05/11 02:58:17.070:LOCATION:location_validate_best_on_route_sol: last DR time 1683773897.57 GPS time 1683773897.0

CHR :2023/05/11

02:58:17.070:VETMS_CHM_RECORDER:2023/05/11|02:58:17.070|5|GPS|3|1|40:59.6371|N|80:24.4777|W|2|09|1.1

SYS :2023/05/11 02:58:17.070:LOCATION:determine_train_dir: Rollback detected Anchor location set to[NS:5620,9050:350]

CHR :2023/05/11

02:58:17.070:VETMS_CHM_RECORDER:2023/05/11|02:58:17.070|6|LOC|4|0.41|40|NS|5620|MAIN 1|YG72.8635|9050|351|NS|5620|MAIN 1|YG75.2302|9050|13075|2|5|41.61

SYS :2023/05/11 02:58:17.070:LOCATION:determine_train_dir: rolled back [-1]ft anchor at[NS:5620,9050:350]

CHR :2023/05/11

02:58:17.070:VETMS_CHM_RECORDER:2023/05/11|02:58:17.070|5|GPS|3|2|40:59.6365|N|80:24.4784|W|2|09|1.1

SYS :2023/05/11 02:58:17.069:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:17.080:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:17.074:BRAKING AND PREDICTION:Uprating Dynamic Braking by 11.2 axle(s) [actual -0.1264] [predicted -0.1027] [total -1291345.000000]

SYS :2023/05/11 02:58:17.914:LOCATION:location_validate_best_on_route_sol: last DR time 1683773897.70 GPS time 1683773898.0

SYS :2023/05/11 02:58:17.914:LOCATION:determine_train_dir: rolled back [-1]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:17.914:LOCATION:dead_reckoner: new DR position [NS:5620,9050:350]

SYS :2023/05/11 02:58:17.944:TRAIN_DATA_MGR:tdm_ptc_tach_filter: Tachometer speed cut-out between 0 and 0.28 fps

CHR :2023/05/11

```

02:58:18.074:VETMS_CHM_RECORDER:2023/05/11|02:58:18.074|6|LOC|4|0.20|40|NS|5620|MAIN
1|YG72.8635|9050|351|NS|5620|MAIN 1|YG75.2302|9050|13075|2|5|41.61
SYS :2023/05/11 02:58:18.071:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:18.087:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:18.077:BRAKING AND PREDICTION:Derating Dynamic Braking by 11.5 axle(s)
[actual -0.0313] [predicted -0.1062] [total -1335234.750000]
SYS :2023/05/11 02:58:18.193:TRAIN_DATA_MGR:tdm_ptc_ilc_speed_filter: ILC speed cut-out between
0 and 0.28 fps
SYS :2023/05/11 02:58:18.193:TRAIN_DATA_MGR:tdm_ptc_speed_filter: PTC Speed Source is [Stopped]
SYS :2023/05/11 02:58:19.068:TRACK_WARRANT:tw_log_current_auth_blocks: No Authority Block data
SYS :2023/05/11 02:58:19.070:LOCATION:location_validate_best_on_route_sol: last DR time
1683773899.58 GPS time 1683773899.0
SYS :2023/05/11 02:58:19.068:TRACK_WARRANT:tw_log_auth_limits: No Authority Fwd limits data
SYS :2023/05/11 02:58:19.070:LOCATION:dead_reckoner: DR position [NS:5620,9050:350] overwritten
with Abs pos[NS:5620,9050:351] GPS time gap[0.070000] GPS dist gap[0.000000]
SYS :2023/05/11 02:58:19.068:TRACK_WARRANT:tw_log_auth_limits: No Authority Rev limits data
SYS :2023/05/11 02:58:19.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:19.070:LOCATION:dead_reckoner: navigated for GPS latency, new
pos[NS:5620,9050:351] GPS time gap[0.070000] GPS dist gap[0.000000]
SYS :2023/05/11 02:58:19.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:19.195:BRAKING AND PREDICTION:lib_rr_get_subdiv_bos_address: Found Sub BOS
Address[ns.b:g.05620] for [NS :5620]
SYS :2023/05/11 02:58:19.195:BRAKING AND PREDICTION:lib_rr_get_polygon_bos_address: Using Subdiv
BOS Address[ns.b:g.05620] for SCAC [NS ]
SYS :2023/05/11 02:58:19.195:BRAKING AND PREDICTION:Operating RR based BOS Address: SCAC NS
event 0:0 [ns.b:g.05620 ]
SYS :2023/05/11 02:58:19.195:BRAKING AND PREDICTION:Owner based CI BOS Address: SCAC NS event
0:1 [ns.b:b1 ]
SYS :2023/05/11 02:58:19.195:BRAKING AND PREDICTION:Train Stopped due to Emergency Brake
Application. Reporting to BOS
SYS :2023/05/11 02:58:19.195:BRAKING AND PREDICTION:Sending event 0:0 (to ns.b:g.05620) (retries
remaining 2) for 2084 Emergency Braking message
OTX :2023/05/11 02:58:19.196:OTC_TX:Sending Office msg [2084], Seq # [0x1b6], Dest [ns.b:g.05620]
OTXD:2023/05/11 02:58:19.196:OTC_TX:000 | 04 08 24 04 11 00 00 91 00 00 01 b6 64 5c 59 cb |
..$......d\Y.
OTXD:2023/05/11 02:58:19.196:OTC_TX:001 | 22 01 2c 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | ".,.
ns.l.ns.434
OTXD:2023/05/11 02:58:19.196:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 67 2e 30 35 36 |
2:itc.ns.b:g.056
OTXD:2023/05/11 02:58:19.196:OTC_TX:003 | 32 30 00 4e 53 20 20 11 4e 53 2e 31 34 4d 2e 30 |
20.NS .NS.14M.0
OTXD:2023/05/11 02:58:19.196:OTC_TX:004 | 2e 30 35 31 30 32 30 32 33 07 e7 05 0b 02 39 27 |
.05102023.....9'
OTXD:2023/05/11 02:58:19.196:OTC_TX:005 | 00 0b 24 23 02 59 47 00 06 4d 41 49 4e 20 31 4e |
..$#.YG..MAIN 1N
OTXD:2023/05/11 02:58:19.196:OTC_TX:006 | 53 20 20 15 f4 00 0b 81 28 02 59 47 00 06 4d 41 | S
.....(.YG..MA
OTXD:2023/05/11 02:58:19.196:OTC_TX:007 | 49 4e 20 31 4e 53 20 20 15 f4 00 11 02 01 1e 04 | IN
1NS .....
OTXD:2023/05/11 02:58:19.196:OTC_TX:008 | ca 27 88 e3 aa 2a f6 18 ce 97 dc 00 0b 1e 39 02 |

```

```

.'....*.....9.
OTXD:2023/05/11 02:58:19.196:OTC_TX:009 | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..
OTXD:2023/05/11 02:58:19.196:OTC_TX:00a | 00 0b 7a ac 02 59 47 00 06 4d 41 49 4e 20 31 4e |
..z..YG..MAIN 1N
OTXD:2023/05/11 02:58:19.196:OTC_TX:00b | 53 20 20 15 f4 00 11 04 c9 d6 2f e3 aa 4a 3f 18 | S
...../...J?.
OTXD:2023/05/11 02:58:19.196:OTC_TX:00c | ce cc 15 01 55 a9 54 42 |
....U.TB
CHR :2023/05/11
02:58:19.197:VETMS_CHM_RECORDER:2023/05/11|02:58:19.197|21|EMP|2|2084|1|1|0408240411000091000001b
6645c59cb22012c00206e732e6c2e6e732e343334323a697463006e732e623a672e3035363230004e532020114e532e31
344d2e302e303531303230323307e7050b023927000b242302594700064d41494e20314e53202015f4000b81280259
CHR :2023/05/11
02:58:19.197:VETMS_CHM_RECORDER:4700064d41494e20314e53202015f4001102011e04ca2788e3aa2af618ce97dc0
00b1e3902594700064d41494e20314e53202015f4000b7aac02594700064d41494e20314e53202015f4001104c9d62fe3
aa4a3f18cecc150155a95442
SYS :2023/05/11 02:58:19.466:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1785] ignoring updates.
WARN:2023/05/11 02:58:19.672:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:58:19.672:VETMS_CHM_RECORDER:2023/05/11|02:58:19.672|22|EMF|3|5100|2
WARN:2023/05/11 02:58:19.768:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
WARN:2023/05/11 02:58:19.768:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:19.768:VETMS_CHM_RECORDER:2023/05/11|02:58:19.768|22|EMF|3|5100|2
CHR :2023/05/11 02:58:19.769:VETMS_CHM_RECORDER:2023/05/11|02:58:19.769|22|EMF|3|5100|2
SYS :2023/05/11 02:58:20.057:SIGNAL_AUTHORITY:sa_update_stopped_status: Train not yet stopped
for TBC412 seconds
SYS :2023/05/11 02:58:20.062:OFFBOARD_POS_RPTR:lib_rr_get_subdiv_bos_address: Found Sub BOS
Address[ns.b:g.05620] for [NS :5620]
SYS :2023/05/11 02:58:20.062:OFFBOARD_POS_RPTR:lib_rr_get_polygon_bos_address: Using Subdiv BOS
Address[ns.b:g.05620] for SCAC [NS ]
SYS :2023/05/11 02:58:20.068:LOCATION:location_validate_best_on_route_sol: last DR time
1683773900.56 GPS time 1683773900.0
SYS :2023/05/11 02:58:20.068:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
OTX :2023/05/11 02:58:20.073:OTC_TX:Sending Office msg [2080], Seq # [0x1b7], Dest [ns.b:g.05620]
OTXD:2023/05/11 02:58:20.073:OTC_TX:000 | 04 08 20 05 11 00 00 52 00 00 01 b7 64 5c 59 cc | ..
....R....d\Y.
OTXD:2023/05/11 02:58:20.073:OTC_TX:001 | 22 01 2c 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | "...
ns.l.ns.434
SYS :2023/05/11 02:58:20.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
OTXD:2023/05/11 02:58:20.073:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 67 2e 30 35 36 |
2:itc.ns.b:g.056
OTXD:2023/05/11 02:58:20.073:OTC_TX:003 | 32 30 00 4e 53 20 20 00 00 00 00 00 0b 1e 39 02 |
20.NS .....9.
OTXD:2023/05/11 02:58:20.073:OTC_TX:004 | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..

```

```

OTXD:2023/05/11 02:58:20.073:OTC_TX:005 | 00 0b 7a ac 02 59 47 00 06 4d 41 49 4e 20 31 4e |
..z..YG..MAIN 1N
OTXD:2023/05/11 02:58:20.073:OTC_TX:006 | 53 20 20 15 f4 00 00 11 02 04 c9 d6 0c e3 aa 43 | S
.....C
OTXD:2023/05/11 02:58:20.073:OTC_TX:007 | ab 18 ce d2 dd 02 04 07 e7 05 0b 02 3a 14 01 05 |
.....:....
OTXD:2023/05/11 02:58:20.073:OTC_TX:008 | 04 00 00 00 00 f5 fd 2d 67 |
.....-g
SYS :2023/05/11 02:58:20.085:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:58:20.086:VETMS_CHM_RECORDER:2023/05/11|02:58:20.086|21|EMP|2|2080|1|1|0408200511000052000001b
7645c59cc22012c00206e732e6c2e6e732e343334323a697463006e732e623a672e3035363230004e5320200000000000
0b1e3902594700064d41494e20314e53202015f4000b7aac02594700064d41494e20314e53202015f40000110204c9
CHR :2023/05/11
02:58:20.086:VETMS_CHM_RECORDER:d60ce3aa43ab18ced2dd020407e7050b023a1401050400000000f5fd2d67
CHR :2023/05/11 02:58:20.171:VETMS_CHM_RECORDER:2023/05/11|02:58:20.171|14|KDP|3|PTC|Mandatory
Directives|Consist||Restricted Mode On|||Menu 1
SYS :2023/05/11 02:58:20.194:BRAKING AND PREDICTION:Sending event 0:1 (to ns.b:b1) (retries
remaining 2) for 2084 Emergency Braking message
OTX :2023/05/11 02:58:20.195:OTC_TX:Sending Office msg [2084], Seq # [0x1b8], Dest [ns.b:b1]
OTXD:2023/05/11 02:58:20.195:OTC_TX:000 | 04 08 24 04 11 00 00 91 00 00 01 b8 64 5c 59 cc |
..$......d\Y.
OTXD:2023/05/11 02:58:20.195:OTC_TX:001 | 1d 01 2c 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | ...
ns.l.ns.434
OTXD:2023/05/11 02:58:20.195:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 62 31 00 4e 53 |
2:itc.ns.b:b1.NS
OTXD:2023/05/11 02:58:20.195:OTC_TX:003 | 20 20 11 4e 53 2e 31 34 4d 2e 30 2e 30 35 31 30 |
.NS.14M.0.0510
OTXD:2023/05/11 02:58:20.195:OTC_TX:004 | 32 30 32 33 07 e7 05 0b 02 39 27 00 0b 24 23 02 |
2023.....9'..$#.
OTXD:2023/05/11 02:58:20.195:OTC_TX:005 | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..
OTXD:2023/05/11 02:58:20.195:OTC_TX:006 | 00 0b 81 28 02 59 47 00 06 4d 41 49 4e 20 31 4e |
...(.YG..MAIN 1N
OTXD:2023/05/11 02:58:20.195:OTC_TX:007 | 53 20 20 15 f4 00 11 02 01 1e 04 ca 27 88 e3 aa | S
.....'....
OTXD:2023/05/11 02:58:20.195:OTC_TX:008 | 2a f6 18 ce 97 dc 00 0b 1e 39 02 59 47 00 06 4d |
*.....9.YG..M
OTXD:2023/05/11 02:58:20.195:OTC_TX:009 | 41 49 4e 20 31 4e 53 20 20 15 f4 00 0b 7a ac 02 | AIN
1NS ....z..
OTXD:2023/05/11 02:58:20.195:OTC_TX:00a | 59 47 00 06 4d 41 49 4e 20 31 4e 53 20 20 15 f4 |
YG..MAIN 1NS ..
OTXD:2023/05/11 02:58:20.195:OTC_TX:00b | 00 11 04 c9 d6 2f e3 aa 4a 3f 18 ce cc 15 01 49 |
...../..J?.....I
OTXD:2023/05/11 02:58:20.195:OTC_TX:00c | a3 27 1f | ..'.
CHR :2023/05/11
02:58:20.196:VETMS_CHM_RECORDER:2023/05/11|02:58:20.196|21|EMP|2|2084|1|1|0408240411000091000001b
8645c59cc1d012c00206e732e6c2e6e732e343334323a697463006e732e623a6231004e532020114e532e31344d2e302e
303531303230323307e7050b023927000b242302594700064d41494e20314e53202015f4000b812802594700064d41
CHR :2023/05/11
02:58:20.196:VETMS_CHM_RECORDER:494e20314e53202015f4001102011e04ca2788e3aa2af618ce97dc000b1e39025
94700064d41494e20314e53202015f4000b7aac02594700064d41494e20314e53202015f4001104c9d62fe3aa4a3f18ce
cc150149a3271f

```

```

ORX :2023/05/11 02:58:20.472:OTC_RX:Received msg [1084] from Office, Seq # [0x1ae], Src
[ns.b:g.05620]
ORXD:2023/05/11 02:58:20.472:OTC_RX:000 | 04 04 3c 02 11 00 00 04 00 00 01 ae 64 5c 59 cd |
..<.....d\Y.
ORXD:2023/05/11 02:58:20.472:OTC_RX:001 | 22 00 3b 00 28 6e 73 2e 62 3a 67 2e 30 35 36 32 |
".;. (ns.b:g.0562
ORXD:2023/05/11 02:58:20.472:OTC_RX:002 | 30 00 6e 73 2e 6c 2e 6e 73 2e 34 33 34 32 3a 69 |
0.ns.l.ns.4342:i
ORXD:2023/05/11 02:58:20.472:OTC_RX:003 | 74 63 00 4e 53 20 20 3e 53 14 0c |
tc.NS >S..
CHR :2023/05/11
02:58:20.472:VETMS_CHM_RECORDER:2023/05/11|02:58:20.472|21|EMP|2|1084|1|1|04043c0211000004000001a
e645c59cd22003b00286e732e623a672e3035363230006e732e6c2e6e732e343334323a697463004e5320203e53140c
SYS :2023/05/11 02:58:20.472:BRAKING AND PREDICTION:Received expected 1084 message from SCAC
[NS ]. Clearing tracking record 0:0
SYS :2023/05/11 02:58:20.926:LOCATION:location_validate_best_on_route_sol: last DR time
1683773900.68 GPS time 1683773901.0
SYS :2023/05/11 02:58:20.926:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:20.926:LOCATION:dead_reckoner: DR position [NS:5620,9050:351] overwritten
with Abs pos[NS:5620,9050:352] GPS time gap[-0.074000] GPS dist gap[-0.000000]
WARN:2023/05/11 02:58:20.926:LOCATION:dead_reckoner: GPS time gap[-0.074000] negative wrt
current time
SYS :2023/05/11 02:58:21.056:SIGNAL_AUTHORITY:sa_update_stopped_status: Train not yet stopped
for TBC412 seconds
SYS :2023/05/11 02:58:21.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:21.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:22.057:SIGNAL_AUTHORITY:sa_update_stopped_status: Train now stopped for
TBC412 seconds
SYS :2023/05/11 02:58:22.069:LOCATION:location_validate_best_on_route_sol: last DR time
1683773902.56 GPS time 1683773902.0
SYS :2023/05/11 02:58:22.069:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:22.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:22.083:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ORX :2023/05/11 02:58:22.640:OTC_RX:Received msg [1084] from Office, Seq # [0x1b0], Src [ns.b:b1]
ORXD:2023/05/11 02:58:22.640:OTC_RX:000 | 04 04 3c 02 11 00 00 04 00 00 01 b0 64 5c 59 cf |
..<.....d\Y.
ORXD:2023/05/11 02:58:22.640:OTC_RX:001 | 1d 00 3b 00 28 6e 73 2e 62 3a 62 31 00 6e 73 2e |
..;. (ns.b:b1.ns.
ORXD:2023/05/11 02:58:22.640:OTC_RX:002 | 6c 2e 6e 73 2e 34 33 34 32 3a 69 74 63 00 4e 53 |
l.ns.4342:itc.NS
ORXD:2023/05/11 02:58:22.640:OTC_RX:003 | 20 20 cc 50 d7 ee |
.P..
CHR :2023/05/11
02:58:22.641:VETMS_CHM_RECORDER:2023/05/11|02:58:22.641|21|EMP|2|1084|1|1|04043c0211000004000001b
0645c59cf1d003b00286e732e623a6231006e732e6c2e6e732e343334323a697463004e532020cc50d7ee
SYS :2023/05/11 02:58:22.641:BRAKING AND PREDICTION:Received expected 1084 message from SCAC
[NS ]. Clearing tracking record 0:1
SYS :2023/05/11 02:58:23.056:LOCATION:loc_get_reverser_tdv: Reverser value changed [FWD]->[CNTR]

```

```
Prev [CNTR] Notch [0]
SYS :2023/05/11 02:58:23.056:LOCATION:loc_get_reverser_tdv: center_when_stopped flag set to true
SYS :2023/05/11 02:58:23.066:LOCATION:location_validate_best_on_route_sol: last DR time
1683773903.56 GPS time 1683773903.0
SYS :2023/05/11 02:58:23.066:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:23.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:23.069:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:58:23.631:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:23.631:VETMS_CHM_RECORDER:2023/05/11|02:58:23.631|22|EMF|3|5100|2
SYS :2023/05/11 02:58:23.654:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1783] ignoring updates.
WARN:2023/05/11 02:58:23.654:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:23.654:VETMS_CHM_RECORDER:2023/05/11|02:58:23.654|22|EMF|3|5100|2
WARN:2023/05/11 02:58:23.791:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:23.791:VETMS_CHM_RECORDER:2023/05/11|02:58:23.791|22|EMF|3|5100|2
SYS :2023/05/11 02:58:23.929:LOCATION:location_validate_best_on_route_sol: last DR time
1683773903.66 GPS time 1683773904.0
SYS :2023/05/11 02:58:23.930:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:23.930:LOCATION:dead_reckoner: DR position [NS:5620,9050:352] overwritten
with Abs pos[NS:5620,9050:351] GPS time gap[-0.070000] GPS dist gap[-0.000000]
WARN:2023/05/11 02:58:23.930:LOCATION:dead_reckoner: GPS time gap[-0.070000] negative wrt
current time
SYS :2023/05/11 02:58:24.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:24.066:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:25.065:LOCATION:location_validate_best_on_route_sol: last DR time
1683773905.56 GPS time 1683773905.0
SYS :2023/05/11 02:58:25.065:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:25.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:25.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:26.072:LOCATION:location_validate_best_on_route_sol: last DR time
1683773906.56 GPS time 1683773906.0
SYS :2023/05/11 02:58:26.072:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:26.069:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:26.087:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ERR :2023/05/11 02:58:26.254:BRAKE_INTERFACE:brk_lsi_fcn: NULL pointer (p_data)
SYS :2023/05/11 02:58:27.065:LOCATION:location_validate_best_on_route_sol: last DR time
```

1683773907.56 GPS time 1683773907.0
SYS :2023/05/11 02:58:27.065:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:27.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:27.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:58:27.613:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:27.613:VETMS_CHM_RECORDER:2023/05/11|02:58:27.613|22|EMF|3|5100|2
WARN:2023/05/11 02:58:27.647:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:27.647:VETMS_CHM_RECORDER:2023/05/11|02:58:27.647|22|EMF|3|5100|2
SYS :2023/05/11 02:58:27.671:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1784] ignoring updates.
WARN:2023/05/11 02:58:27.814:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:27.814:VETMS_CHM_RECORDER:2023/05/11|02:58:27.814|22|EMF|3|5100|2
SYS :2023/05/11 02:58:27.927:LOCATION:location_validate_best_on_route_sol: last DR time
1683773907.65 GPS time 1683773908.0
SYS :2023/05/11 02:58:27.927:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:28.068:WHEEL_CALIBRATION:wc_check_for_speed_transition: GPS1 transition
from moving to stopped at 3.038 fps
SYS :2023/05/11 02:58:28.068:WHEEL_CALIBRATION:wc_check_for_speed_transition: GPS2 transition
from moving to stopped at 2.869 fps
SYS :2023/05/11 02:58:28.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:28.085:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:28.156:FAULT_MGR:Object: TRAIN_DATA_MGR on CPU1 has changed fault: 62B
(CPU1: Auto Brake Handle Position Invalid) on CPU1 from CLEAR to ACTIVE
CHR :2023/05/11
02:58:28.157:VETMS_CHM_RECORDER:2023/05/11|02:58:28.157|19|FLT|2|1|CPU1|062b|CPU1: Auto Brake
Handle Position Invalid
SYS :2023/05/11 02:58:28.195:FAULT_MGR:Object: TRAIN_DATA_MGR on CPU2 has changed fault: 62B
(CPU2: Auto Brake Handle Position Invalid) on CPU2 from CLEAR to ACTIVE
CHR :2023/05/11
02:58:28.196:VETMS_CHM_RECORDER:2023/05/11|02:58:28.196|19|FLT|2|1|CPU2|062b|CPU2: Auto Brake
Handle Position Invalid
SYS :2023/05/11 02:58:28.384:FAULT_MGR:Object: TRAIN_DATA_MGR on CPU3 has changed fault: 62B
(CPU3: Auto Brake Handle Position Invalid) on CPU3 from CLEAR to ACTIVE
CHR :2023/05/11
02:58:28.385:VETMS_CHM_RECORDER:2023/05/11|02:58:28.385|19|FLT|2|1|CPU3|062b|CPU3: Auto Brake
Handle Position Invalid
SYS :2023/05/11 02:58:29.068:LOCATION:location_validate_best_on_route_sol: last DR time
1683773909.56 GPS time 1683773909.0
SYS :2023/05/11 02:58:29.068:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:29.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:29.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:29.156:FAULT_MGR:Object: TRAIN_DATA_MGR on CPU1 has changed fault: 62B (CPU1: Auto Brake Handle Position Invalid) on CPU1 from ACTIVE to CLEAR
CHR :2023/05/11
02:58:29.157:VETMS_CHM_RECORDER:2023/05/11|02:58:29.157|19|FLT|2|0|CPU1|062b|CPU1: Auto Brake Handle Position Invalid
SYS :2023/05/11 02:58:29.195:FAULT_MGR:Object: TRAIN_DATA_MGR on CPU2 has changed fault: 62B (CPU2: Auto Brake Handle Position Invalid) on CPU2 from ACTIVE to CLEAR
CHR :2023/05/11
02:58:29.197:VETMS_CHM_RECORDER:2023/05/11|02:58:29.197|19|FLT|2|0|CPU2|062b|CPU2: Auto Brake Handle Position Invalid
SYS :2023/05/11 02:58:29.223:TMC_LRU_MGR:CONFIG:CPU-2: Active Modifications (NONE)
SYS :2023/05/11 02:58:29.385:FAULT_MGR:Object: TRAIN_DATA_MGR on CPU3 has changed fault: 62B (CPU3: Auto Brake Handle Position Invalid) on CPU3 from ACTIVE to CLEAR
CHR :2023/05/11
02:58:29.386:VETMS_CHM_RECORDER:2023/05/11|02:58:29.386|19|FLT|2|0|CPU3|062b|CPU3: Auto Brake Handle Position Invalid
SYS :2023/05/11 02:58:30.062:WORK_ZONE:wz_timer: train has been stopped for 10 seconds - resetting all work zone permission received flags
SYS :2023/05/11 02:58:30.072:LOCATION:location_validate_best_on_route_sol: last DR time 1683773910.58 GPS time 1683773910.0
SYS :2023/05/11 02:58:30.072:LOCATION:determine_train_dir: rolled back [-1]ft anchor at[NS:5620,9050:350]
SYS :2023/05/11 02:58:30.071:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:30.086:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:30.088:ENFORCEMENT:,SPD, 0.0,mpg,LL:MP,72.8605, NS, 5620, 9050, 334,TL,MP,75.2335, NS, 5620, 9050,13092,BPP,000,EOT,000,ARP,076,ERP,076,BCP,053,PBCP,053,LBCP,077,FLOW,000,ABM State,3,TN,000,TE,00000,DBON,0,DBE,00488,PCS,1,STS,00,GRD, 0.05%,CRV,00000,LDD,144,EMP,069,LOCO,003,DBD,11.5,LEN,12724,WGT,20800,LMF,+0000000,LRF,-0000714,LBF,-0082474,CRF,-0029165,CBF,-1630622,GF,-0024108,CF,-0004743,
SYS :2023/05/11
02:58:30.088:ENFORCEMENT:,PA,-0.94720,*,AA,0.00000,TTE,***,DTE,***,TD,***,ECL,00000,ECT,3,EMS,0.0 ,BCL,00000,BCT,3,BMS,0.0,PCL,00000,PCT,3,WCL,00000,WCT,3,WMS,0.0,SFO,0000,
SYS :2023/05/11 02:58:30.923:LOCATION:location_validate_best_on_route_sol: last DR time 1683773910.72 GPS time 1683773911.0
SYS :2023/05/11 02:58:30.923:LOCATION:determine_train_dir: rolled back [-1]ft anchor at[NS:5620,9050:350]
SYS :2023/05/11 02:58:31.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:31.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:58:31.438:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:58:31.438:VETMS_CHM_RECORDER:2023/05/11|02:58:31.438|22|EMF|3|5100|2
WARN:2023/05/11 02:58:31.689:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:58:31.689:VETMS_CHM_RECORDER:2023/05/11|02:58:31.689|22|EMF|3|5100|2
SYS :2023/05/11 02:58:31.717:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is

[-1784] ignoring updates.

WARN:2023/05/11 02:58:31.718:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:58:31.718:VETMS_CHM_RECORDER:2023/05/11|02:58:31.718|22|EMF|3|5100|2

SYS :2023/05/11 02:58:31.923:LOCATION:location_validate_best_on_route_sol: last DR time 1683773911.56 GPS time 1683773912.0

SYS :2023/05/11 02:58:31.923:LOCATION:determine_train_dir: rolled back [-1]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:31.923:LOCATION:dead_reckoner: DR position [NS:5620,9050:351] overwritten with Abs pos[NS:5620,9050:352] GPS time gap[-0.077000] GPS dist gap[-0.000000]

WARN:2023/05/11 02:58:31.923:LOCATION:dead_reckoner: GPS time gap[-0.077000] negative wrt current time

SYS :2023/05/11 02:58:32.065:WHEEL_CALIBRATION:wc_check_for_speed_transition: WT transition from moving to stopped at 0.282 fps

SYS :2023/05/11 02:58:32.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:32.076:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:33.064:WHEEL_CALIBRATION:wc_check_for_speed_transition: ILC transition from moving to stopped at 0.283 fps

SYS :2023/05/11 02:58:33.065:LOCATION:location_validate_best_on_route_sol: last DR time 1683773913.55 GPS time 1683773913.0

SYS :2023/05/11 02:58:33.065:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:33.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:33.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:34.068:LOCATION:location_validate_best_on_route_sol: last DR time 1683773914.56 GPS time 1683773914.0

SYS :2023/05/11 02:58:34.069:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:34.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:34.082:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:35.066:LOCATION:location_validate_best_on_route_sol: last DR time 1683773915.56 GPS time 1683773915.0

SYS :2023/05/11 02:58:35.066:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:35.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:35.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:58:35.580:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:58:35.580:VETMS_CHM_RECORDER:2023/05/11|02:58:35.580|22|EMF|3|5100|2

SYS :2023/05/11 02:58:35.691:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1783] ignoring updates.

WARN:2023/05/11 02:58:35.724:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:58:35.724:VETMS_CHM_RECORDER:2023/05/11|02:58:35.724|22|EMF|3|5100|2
 WARN:2023/05/11 02:58:35.859:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
 ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
 is [0] seconds!
 CHR :2023/05/11 02:58:35.859:VETMS_CHM_RECORDER:2023/05/11|02:58:35.859|22|EMF|3|5100|2
 SYS :2023/05/11 02:58:36.068:LOCATION:location_validate_best_on_route_sol: last DR time
 1683773916.57 GPS time 1683773916.0
 SYS :2023/05/11 02:58:36.068:LOCATION:determine_train_dir: rolled back [-2]ft anchor
 at[NS:5620,9050:350]
 SYS :2023/05/11 02:58:36.067:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
 Unmonitored Switch[1000022] logical[2] status[0]
 SYS :2023/05/11 02:58:36.082:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
 [NS:5620:1000022] is aligned to NORMAL position
 SYS :2023/05/11 02:58:37.068:LOCATION:location_validate_best_on_route_sol: last DR time
 1683773917.56 GPS time 1683773917.0
 SYS :2023/05/11 02:58:37.068:LOCATION:determine_train_dir: rolled back [-2]ft anchor
 at[NS:5620,9050:350]
 SYS :2023/05/11 02:58:37.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
 Unmonitored Switch[1000022] logical[2] status[0]
 SYS :2023/05/11 02:58:37.073:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
 [NS:5620:1000022] is aligned to NORMAL position
 SYS :2023/05/11 02:58:38.071:LOCATION:location_validate_best_on_route_sol: last DR time
 1683773918.62 GPS time 1683773918.0
 SYS :2023/05/11 02:58:38.071:LOCATION:determine_train_dir: rolled back [-2]ft anchor
 at[NS:5620,9050:350]
 SYS :2023/05/11 02:58:38.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
 Unmonitored Switch[1000022] logical[2] status[0]
 SYS :2023/05/11 02:58:38.085:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
 [NS:5620:1000022] is aligned to NORMAL position
 SYS :2023/05/11 02:58:38.924:LOCATION:location_validate_best_on_route_sol: last DR time
 1683773918.71 GPS time 1683773919.0
 SYS :2023/05/11 02:58:38.924:LOCATION:determine_train_dir: rolled back [-2]ft anchor
 at[NS:5620,9050:350]
 SYS :2023/05/11 02:58:38.924:LOCATION:dead_reckoner: DR position [NS:5620,9050:352] overwritten
 with Abs pos[NS:5620,9050:351] GPS time gap[-0.076000] GPS dist gap[-0.000000]
 WARN:2023/05/11 02:58:38.924:LOCATION:dead_reckoner: GPS time gap[-0.076000] negative wrt
 current time
 SYS :2023/05/11 02:58:39.062:FAULT_MGR:ofm_send_fault_report: Sent Locomotive Fault Report
 (02087) message to BOS: ns.b:b1.
 SYS :2023/05/11 02:58:39.062:FAULT_MGR:lib_rr_get_subdiv_bos_address: Found Sub BOS
 Address[ns.b:g.05620] for [NS :5620]
 SYS :2023/05/11 02:58:39.062:FAULT_MGR:lib_rr_get_polygon_bos_address: Using Subdiv BOS
 Address[ns.b:g.05620] for SCAC [NS]
 SYS :2023/05/11 02:58:39.062:FAULT_MGR:ofm_send_fault_report: Sent Locomotive Fault Report
 (02087) message to BOS: ns.b:g.05620.
 OTX :2023/05/11 02:58:39.066:OTC_TX:Sending Office msg [2087], Seq # [0x1b9], Dest [ns.b:b1]
 OTXD:2023/05/11 02:58:39.066:OTC_TX:000 | 04 08 27 04 11 00 01 88 00 00 01 b9 64 5c 59 df |
 ...'.....d\Y.
 SYS :2023/05/11 02:58:39.063:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
 Unmonitored Switch[1000022] logical[2] status[0]
 OTXD:2023/05/11 02:58:39.066:OTC_TX:001 | 1d 00 3b 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | ...;
 ns.l.ns.434
 OTXD:2023/05/11 02:58:39.066:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 62 31 00 4e 53 |
 2:itc.ns.b:b1.NS

```

OTXD:2023/05/11 02:58:39.066:OTC_TX:003 | 20 20 03 33 2e 30 57 52 45 20 50 54 43 20 07 e7 |
.3.OWRE PTC ..
OTXD:2023/05/11 02:58:39.066:OTC_TX:004 | 05 0b 02 3a 27 01 05 1e 01 02 01 06 2b 28 43 50 |
....'+.....+(CP
OTXD:2023/05/11 02:58:39.066:OTC_TX:005 | 55 31 3a 20 41 75 74 6f 20 42 72 61 6b 65 20 48 | U1:
Auto Brake H
OTXD:2023/05/11 02:58:39.066:OTC_TX:006 | 61 6e 64 6c 65 20 50 6f 73 69 74 69 6f 6e 20 49 |
andle Position I
OTXD:2023/05/11 02:58:39.066:OTC_TX:007 | 6e 76 61 6c 69 64 07 e7 05 0b 02 3a 1c 00 06 2b |
nvalid.....:....+
OTXD:2023/05/11 02:58:39.066:OTC_TX:008 | 28 43 50 55 31 3a 20 41 75 74 6f 20 42 72 61 6b |
(CPU1: Auto Brak
OTXD:2023/05/11 02:58:39.066:OTC_TX:009 | 65 20 48 61 6e 64 6c 65 20 50 6f 73 69 74 69 6f | e
Handle Positio
OTXD:2023/05/11 02:58:39.066:OTC_TX:00a | 6e 20 49 6e 76 61 6c 69 64 07 e7 05 0b 02 3a 1d | n
Invalid.....:..
OTXD:2023/05/11 02:58:39.066:OTC_TX:00b | 02 02 01 06 2b 28 43 50 55 32 3a 20 41 75 74 6f |
....+(CPU2: Auto
OTXD:2023/05/11 02:58:39.066:OTC_TX:00c | 20 42 72 61 6b 65 20 48 61 6e 64 6c 65 20 50 6f |
Brake Handle Po
OTXD:2023/05/11 02:58:39.066:OTC_TX:00d | 73 69 74 69 6f 6e 20 49 6e 76 61 6c 69 64 07 e7 |
sition Invalid..
OTXD:2023/05/11 02:58:39.066:OTC_TX:00e | 05 0b 02 3a 1c 00 06 2b 28 43 50 55 32 3a 20 41 |
.....'+(CPU2: A
OTXD:2023/05/11 02:58:39.066:OTC_TX:00f | 75 74 6f 20 42 72 61 6b 65 20 48 61 6e 64 6c 65 | uto
Brake Handle
OTXD:2023/05/11 02:58:39.066:OTC_TX:010 | 20 50 6f 73 69 74 69 6f 6e 20 49 6e 76 61 6c 69 |
Position Invali
OTXD:2023/05/11 02:58:39.066:OTC_TX:011 | 64 07 e7 05 0b 02 3a 1d 03 02 01 06 2b 28 43 50 |
d.....:.....+(CP
OTXD:2023/05/11 02:58:39.066:OTC_TX:012 | 55 33 3a 20 41 75 74 6f 20 42 72 61 6b 65 20 48 | U3:
Auto Brake H
OTXD:2023/05/11 02:58:39.066:OTC_TX:013 | 61 6e 64 6c 65 20 50 6f 73 69 74 69 6f 6e 20 49 |
andle Position I
OTXD:2023/05/11 02:58:39.066:OTC_TX:014 | 6e 76 61 6c 69 64 07 e7 05 0b 02 3a 1d 00 06 2b |
nvalid.....:....+
OTXD:2023/05/11 02:58:39.066:OTC_TX:015 | 28 43 50 55 33 3a 20 41 75 74 6f 20 42 72 61 6b |
(CPU3: Auto Brak
OTXD:2023/05/11 02:58:39.066:OTC_TX:016 | 65 20 48 61 6e 64 6c 65 20 50 6f 73 69 74 69 6f | e
Handle Positio
OTXD:2023/05/11 02:58:39.066:OTC_TX:017 | 6e 20 49 6e 76 61 6c 69 64 07 e7 05 0b 02 3a 1e | n
Invalid.....:..
OTXD:2023/05/11 02:58:39.066:OTC_TX:018 | 04 00 05 00 06 00 07 00 08 00 0a 00 0b 00 0c 00 |
.....
OTXD:2023/05/11 02:58:39.066:OTC_TX:019 | 0d 00 0e 00 0f 00 10 00 11 00 12 00 13 00 14 00 |
.....
OTXD:2023/05/11 02:58:39.066:OTC_TX:01a | 16 00 17 00 18 00 19 00 1a 00 1b 00 1c 00 1d 00 |
.....
OTXD:2023/05/11 02:58:39.066:OTC_TX:01b | 1e 00 1f 00 20 00 ea 7a 71 e1 | ....
..zq.
OTX :2023/05/11 02:58:39.066:OTC_TX:Sending Office msg [2087], Seq # [0x1ba], Dest [ns.b:g.05620]
OTXD:2023/05/11 02:58:39.066:OTC_TX:000 | 04 08 27 04 11 00 01 88 00 00 01 ba 64 5c 59 df |
..'.....d\Y.
SYS :2023/05/11 02:58:39.068:SWITCH_MGR:swm_process_switch_protected_by_signal: switch

```

```

[NS:5620:1000022] is aligned to NORMAL position
CHR :2023/05/11
02:58:39.073:VETMS_CHM_RECORDER:2023/05/11|02:58:39.073|21|EMP|2|2087|1|1|0408270411000188000001b
9645c59df1d003b00206e732e6c2e6e732e343334323a697463006e732e623a6231004e53202003332e30575245205054
432007e7050b023a2701051e010201062b28435055313a204175746f204272616b652048616e646c6520506f736974
OTXD:2023/05/11 02:58:39.068:OTC_TX:001 | 22 00 3b 00 20 6e 73 2e 6c 2e 6e 73 2e 34 33 34 | ".;.
ns.l.ns.434
CHR :2023/05/11
02:58:39.073:VETMS_CHM_RECORDER:696f6e20496e76616c696407e7050b023a1c00062b28435055313a204175746f2
04272616b652048616e646c6520506f736974696f6e20496e76616c696407e7050b023a1d020201062b28435055323a20
4175746f204272616b652048616e646c6520506f736974696f6e20496e76616c696407e7050b023a1c00062b284350
OTXD:2023/05/11 02:58:39.068:OTC_TX:002 | 32 3a 69 74 63 00 6e 73 2e 62 3a 67 2e 30 35 36 |
2:itc.ns.b:g.056
CHR :2023/05/11
02:58:39.073:VETMS_CHM_RECORDER:55323a204175746f204272616b652048616e646c6520506f736974696f6e20496
e76616c696407e7050b023a1d030201062b28435055333a204175746f204272616b652048616e646c6520506f73697469
6f6e20496e76616c696407e7050b023a1d00062b28435055333a204175746f204272616b652048616e646c6520506f
OTXD:2023/05/11 02:58:39.068:OTC_TX:003 | 32 30 00 4e 53 20 20 03 33 2e 30 57 52 45 20 50 |
20.NS .3.0WRE P
CHR :2023/05/11
02:58:39.073:VETMS_CHM_RECORDER:736974696f6e20496e76616c696407e7050b023a1e040005000600070008000a0
00b000c000d000e000f001000110012001300140016001700180019001a001b001c001d001e001f002000ea7a71e1
OTXD:2023/05/11 02:58:39.068:OTC_TX:004 | 54 43 20 07 e7 05 0b 02 3a 27 01 05 1e 01 02 01 | TC
.....:'.....
OTXD:2023/05/11 02:58:39.068:OTC_TX:005 | 06 2b 28 43 50 55 31 3a 20 41 75 74 6f 20 42 72 |
.+(CPU1: Auto Br
OTXD:2023/05/11 02:58:39.068:OTC_TX:006 | 61 6b 65 20 48 61 6e 64 6c 65 20 50 6f 73 69 74 | ake
Handle Posit
OTXD:2023/05/11 02:58:39.068:OTC_TX:007 | 69 6f 6e 20 49 6e 76 61 6c 69 64 07 e7 05 0b 02 | ion
Invalid.....
OTXD:2023/05/11 02:58:39.068:OTC_TX:008 | 3a 1c 00 06 2b 28 43 50 55 31 3a 20 41 75 74 6f |
:....+(CPU1: Auto
OTXD:2023/05/11 02:58:39.068:OTC_TX:009 | 20 42 72 61 6b 65 20 48 61 6e 64 6c 65 20 50 6f |
Brake Handle Po
OTXD:2023/05/11 02:58:39.068:OTC_TX:00a | 73 69 74 69 6f 6e 20 49 6e 76 61 6c 69 64 07 e7 |
sition Invalid..
OTXD:2023/05/11 02:58:39.068:OTC_TX:00b | 05 0b 02 3a 1d 02 02 01 06 2b 28 43 50 55 32 3a |
.....+(CPU2:
OTXD:2023/05/11 02:58:39.068:OTC_TX:00c | 20 41 75 74 6f 20 42 72 61 6b 65 20 48 61 6e 64 |
Auto Brake Hand
OTXD:2023/05/11 02:58:39.068:OTC_TX:00d | 6c 65 20 50 6f 73 69 74 69 6f 6e 20 49 6e 76 61 | le
Position Inva
OTXD:2023/05/11 02:58:39.068:OTC_TX:00e | 6c 69 64 07 e7 05 0b 02 3a 1c 00 06 2b 28 43 50 |
lid.....+(CP
OTXD:2023/05/11 02:58:39.068:OTC_TX:00f | 55 32 3a 20 41 75 74 6f 20 42 72 61 6b 65 20 48 | U2:
Auto Brake H
OTXD:2023/05/11 02:58:39.068:OTC_TX:010 | 61 6e 64 6c 65 20 50 6f 73 69 74 69 6f 6e 20 49 |
andle Position I
OTXD:2023/05/11 02:58:39.068:OTC_TX:011 | 6e 76 61 6c 69 64 07 e7 05 0b 02 3a 1d 03 02 01 |
nvalid.....:.....
OTXD:2023/05/11 02:58:39.068:OTC_TX:012 | 06 2b 28 43 50 55 33 3a 20 41 75 74 6f 20 42 72 |
.+(CPU3: Auto Br
OTXD:2023/05/11 02:58:39.068:OTC_TX:013 | 61 6b 65 20 48 61 6e 64 6c 65 20 50 6f 73 69 74 | ake
Handle Posit

```

```

OTXD:2023/05/11 02:58:39.068:OTC_TX:014 | 69 6f 6e 20 49 6e 76 61 6c 69 64 07 e7 05 0b 02 | ion
Invalid....
OTXD:2023/05/11 02:58:39.068:OTC_TX:015 | 3a 1d 00 06 2b 28 43 50 55 33 3a 20 41 75 74 6f |
:....+(CPU3: Auto
OTXD:2023/05/11 02:58:39.068:OTC_TX:016 | 20 42 72 61 6b 65 20 48 61 6e 64 6c 65 20 50 6f |
Brake Handle Po
OTXD:2023/05/11 02:58:39.068:OTC_TX:017 | 73 69 74 69 6f 6e 20 49 6e 76 61 6c 69 64 07 e7 |
sition Invalid..
OTXD:2023/05/11 02:58:39.068:OTC_TX:018 | 05 0b 02 3a 1e 04 00 05 00 06 00 07 00 08 00 0a |
.....
OTXD:2023/05/11 02:58:39.068:OTC_TX:019 | 00 0b 00 0c 00 0d 00 0e 00 0f 00 10 00 11 00 12 |
.....
OTXD:2023/05/11 02:58:39.068:OTC_TX:01a | 00 13 00 14 00 16 00 17 00 18 00 19 00 1a 00 1b |
.....
OTXD:2023/05/11 02:58:39.068:OTC_TX:01b | 00 1c 00 1d 00 1e 00 1f 00 20 00 0a 72 8c db |
..... ..r..
CHR :2023/05/11
02:58:39.075:VETMS_CHM_RECORDER:2023/05/11|02:58:39.075|21|EMP|2|2087|1|1|0408270411000188000001b
a645c59df22003b00206e732e6c2e6e732e343334323a697463006e732e623a672e3035363230004e53202003332e3057
5245205054432007e7050b023a2701051e010201062b28435055313a204175746f204272616b652048616e646c6520
CHR :2023/05/11
02:58:39.075:VETMS_CHM_RECORDER:506f736974696f6e20496e76616c696407e7050b023a1c00062b28435055313a2
04175746f204272616b652048616e646c6520506f736974696f6e20496e76616c696407e7050b023a1d020201062b2843
5055323a204175746f204272616b652048616e646c6520506f736974696f6e20496e76616c696407e7050b023a1c00
CHR :2023/05/11
02:58:39.075:VETMS_CHM_RECORDER:062b28435055323a204175746f204272616b652048616e646c6520506f7369746
96f6e20496e76616c696407e7050b023a1d030201062b28435055333a204175746f204272616b652048616e646c652050
6f736974696f6e20496e76616c696407e7050b023a1d00062b28435055333a204175746f204272616b652048616e64
CHR :2023/05/11
02:58:39.075:VETMS_CHM_RECORDER:6c6520506f736974696f6e20496e76616c696407e7050b023a1e0400050006000
70008000a000b000c000d000e000f001000110012001300140016001700180019001a001b001c001d001e001f0020000a
728cdb
WARN:2023/05/11 02:58:39.645:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
SYS :2023/05/11 02:58:39.646:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1783] ignoring updates.
CHR :2023/05/11 02:58:39.646:VETMS_CHM_RECORDER:2023/05/11|02:58:39.646|22|EMF|3|5100|2
WARN:2023/05/11 02:58:39.671:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [-4] seconds!
CHR :2023/05/11 02:58:39.671:VETMS_CHM_RECORDER:2023/05/11|02:58:39.671|22|EMF|3|5100|2
WARN:2023/05/11 02:58:39.781:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:39.782:VETMS_CHM_RECORDER:2023/05/11|02:58:39.782|22|EMF|3|5100|2
SYS :2023/05/11 02:58:39.932:LOCATION:location_validate_best_on_route_sol: last DR time
1683773919.56 GPS time 1683773920.0
SYS :2023/05/11 02:58:39.932:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:40.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:40.079:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position

```

```

SYS :2023/05/11 02:58:41.070:LOCATION:location_validate_best_on_route_sol: last DR time
1683773921.56 GPS time 1683773921.0
SYS :2023/05/11 02:58:41.070:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:41.068:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:41.084:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
ORX :2023/05/11 02:58:41.378:OTC_RX:Received msg [1087] from Office, Seq # [0x1b1], Src [ns.b:b1]
ORXD:2023/05/11 02:58:41.378:OTC_RX:000 | 04 04 3f 03 11 00 00 04 00 00 01 b1 64 5c 59 e2 |
..?.....d\Y.
ORXD:2023/05/11 02:58:41.378:OTC_RX:001 | 1d 00 3b 00 28 6e 73 2e 62 3a 62 31 00 6e 73 2e |
..;. (ns.b:b1.ns.
ORXD:2023/05/11 02:58:41.378:OTC_RX:002 | 6c 2e 6e 73 2e 34 33 34 32 3a 69 74 63 00 4e 53 |
l.ns.4342:itc.NS
ORXD:2023/05/11 02:58:41.378:OTC_RX:003 | 20 20 3c 11 b6 41 |
<..A
CHR :2023/05/11
02:58:41.379:VETMS_CHM_RECORDER:2023/05/11|02:58:41.379|21|EMP|2|1087|1|1|04043f0311000004000001b
1645c59e21d003b00286e732e623a6231006e732e6c2e6e732e343334323a697463004e5320203c11b641
SYS :2023/05/11 02:58:41.379:FAULT_MGR:ofm_otccb_conf_fault_report: Received 01087 Confirmation
of Locomotive Fault Report from BOS ns.b:b1 - Did not match any stored 02087 recored
CHR :2023/05/11 02:58:41.379:VETMS_CHM_RECORDER:2023/05/11|02:58:41.379|22|EMP|3|1087|6
ORX :2023/05/11 02:58:41.491:OTC_RX:Received msg [1087] from Office, Seq # [0x1b2], Src
[ns.b:g.05620]
ORXD:2023/05/11 02:58:41.491:OTC_RX:000 | 04 04 3f 03 11 00 00 04 00 00 01 b2 64 5c 59 e2 |
..?.....d\Y.
ORXD:2023/05/11 02:58:41.491:OTC_RX:001 | 22 00 3b 00 28 6e 73 2e 62 3a 67 2e 30 35 36 32 |
".;. (ns.b:g.0562
ORXD:2023/05/11 02:58:41.491:OTC_RX:002 | 30 00 6e 73 2e 6c 2e 6e 73 2e 34 33 34 32 3a 69 |
0.ns.l.ns.4342:i
ORXD:2023/05/11 02:58:41.491:OTC_RX:003 | 74 63 00 4e 53 20 20 03 5f c1 3d |
tc.NS ._.=
CHR :2023/05/11
02:58:41.491:VETMS_CHM_RECORDER:2023/05/11|02:58:41.491|21|EMP|2|1087|1|1|04043f0311000004000001b
2645c59e222003b00286e732e623a672e3035363230006e732e6c2e6e732e343334323a697463004e532020035fc13d
SYS :2023/05/11 02:58:41.491:FAULT_MGR:ofm_otccb_conf_fault_report: Received 01087 Confirmation
of Locomotive Fault Report from BOS ns.b:g.05620 - Did not match any stored 02087 recored
CHR :2023/05/11 02:58:41.491:VETMS_CHM_RECORDER:2023/05/11|02:58:41.491|22|EMP|3|1087|6
SYS :2023/05/11 02:58:41.924:LOCATION:location_validate_best_on_route_sol: last DR time
1683773921.70 GPS time 1683773922.0
SYS :2023/05/11 02:58:41.924:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:42.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:42.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:43.066:LOCATION:location_validate_best_on_route_sol: last DR time
1683773923.57 GPS time 1683773923.0
SYS :2023/05/11 02:58:43.066:LOCATION:determine_train_dir: rolled back [-1]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:43.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:43.080:SWITCH_MGR:swm_process_switch_protected_by_signal: switch

```

[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:43.619:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1784] ignoring updates.
WARN:2023/05/11 02:58:43.619:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!
CHR :2023/05/11 02:58:43.619:VETMS_CHM_RECORDER:2023/05/11|02:58:43.619|22|EMF|3|5100|2
WARN:2023/05/11 02:58:43.732:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:58:43.732:VETMS_CHM_RECORDER:2023/05/11|02:58:43.732|22|EMF|3|5100|2
WARN:2023/05/11 02:58:43.804:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!
CHR :2023/05/11 02:58:43.804:VETMS_CHM_RECORDER:2023/05/11|02:58:43.804|22|EMF|3|5100|2
SYS :2023/05/11 02:58:43.916:LOCATION:location_validate_best_on_route_sol: last DR time 1683773923.66 GPS time 1683773924.0
SYS :2023/05/11 02:58:43.916:LOCATION:determine_train_dir: rolled back [-1]ft anchor at[NS:5620,9050:350]
SYS :2023/05/11 02:58:43.916:LOCATION:dead_reckoner: DR position [NS:5620,9050:351] overwritten with Abs pos[NS:5620,9050:352] GPS time gap[-0.084000] GPS dist gap[-0.000000]
WARN:2023/05/11 02:58:43.916:LOCATION:dead_reckoner: GPS time gap[-0.084000] negative wrt current time
SYS :2023/05/11 02:58:44.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:44.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:45.064:LOCATION:location_validate_best_on_route_sol: last DR time 1683773925.57 GPS time 1683773925.0
SYS :2023/05/11 02:58:45.064:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]
SYS :2023/05/11 02:58:45.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:45.077:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:46.071:LOCATION:location_validate_best_on_route_sol: last DR time 1683773926.57 GPS time 1683773926.0
SYS :2023/05/11 02:58:46.071:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]
SYS :2023/05/11 02:58:46.070:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:46.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:47.066:LOCATION:location_validate_best_on_route_sol: last DR time 1683773927.56 GPS time 1683773927.0
CHR :2023/05/11
02:58:47.067:VETMS_CHM_RECORDER:2023/05/11|02:58:47.067|5|GPS|3|1|40:59.6370|N|80:24.4775|W|2|09|1.1
SYS :2023/05/11 02:58:47.066:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]
CHR :2023/05/11
02:58:47.067:VETMS_CHM_RECORDER:2023/05/11|02:58:47.067|5|GPS|3|2|40:59.6362|N|80:24.4778|W|2|09|1.1
SYS :2023/05/11 02:58:47.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested

```
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:47.071:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
WARN:2023/05/11 02:58:47.647:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:47.647:VETMS_CHM_RECORDER:2023/05/11|02:58:47.647|22|EMF|3|5100|2
SYS :2023/05/11 02:58:47.671:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1783] ignoring updates.
WARN:2023/05/11 02:58:47.671:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:47.671:VETMS_CHM_RECORDER:2023/05/11|02:58:47.671|22|EMF|3|5100|2
SYS :2023/05/11 02:58:48.073:LOCATION:location_validate_best_on_route_sol: last DR time
1683773928.62 GPS time 1683773928.0
CHR :2023/05/11
02:58:48.074:VETMS_CHM_RECORDER:2023/05/11|02:58:48.074|6|LOC|4|0.01|40|NS|5620|MAIN
1|YG72.8636|9050|352|NS|5620|MAIN 1|YG75.2304|9050|13076|2|5|41.61
SYS :2023/05/11 02:58:48.073:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:48.071:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:48.088:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:49.066:LOCATION:location_validate_best_on_route_sol: last DR time
1683773929.57 GPS time 1683773929.0
SYS :2023/05/11 02:58:49.066:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:49.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:49.071:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:50.067:LOCATION:location_validate_best_on_route_sol: last DR time
1683773930.57 GPS time 1683773930.0
SYS :2023/05/11 02:58:50.067:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:50.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:50.081:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:51.067:LOCATION:location_validate_best_on_route_sol: last DR time
1683773931.57 GPS time 1683773931.0
SYS :2023/05/11 02:58:51.067:LOCATION:determine_train_dir: rolled back [-2]ft anchor
at[NS:5620,9050:350]
SYS :2023/05/11 02:58:51.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested
Unmonitored Switch[1000022] logical[2] status[0]
SYS :2023/05/11 02:58:51.072:SWITCH_MGR:wsm_process_switch_protected_by_signal: switch
[NS:5620:1000022] is aligned to NORMAL position
SYS :2023/05/11 02:58:51.562:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is
[-1783] ignoring updates.
WARN:2023/05/11 02:58:51.562:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU
ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference
is [0] seconds!
CHR :2023/05/11 02:58:51.562:VETMS_CHM_RECORDER:2023/05/11|02:58:51.562|22|EMF|3|5100|2
```

WARN:2023/05/11 02:58:51.649:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:58:51.649:VETMS_CHM_RECORDER:2023/05/11|02:58:51.649|22|EMF|3|5100|2

WARN:2023/05/11 02:58:51.664:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:58:51.664:VETMS_CHM_RECORDER:2023/05/11|02:58:51.664|22|EMF|3|5100|2

SYS :2023/05/11 02:58:52.064:LOCATION:location_validate_best_on_route_sol: last DR time 1683773932.57 GPS time 1683773932.0

SYS :2023/05/11 02:58:52.064:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:52.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:52.072:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:53.063:SYSTEM_STATE:system state is [sysACTIVE]

SYS :2023/05/11 02:58:53.063:SYSTEM_STATE:system sub-state is [subNOT_APPLICABLE]

SYS :2023/05/11 02:58:53.063:SYSTEM_STATE:slice state is [SECONDARY]

SYS :2023/05/11 02:58:53.067:LOCATION:location_validate_best_on_route_sol: last DR time 1683773933.57 GPS time 1683773933.0

SYS :2023/05/11 02:58:53.067:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:53.066:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:53.081:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:54.066:LOCATION:location_validate_best_on_route_sol: last DR time 1683773934.57 GPS time 1683773934.0

SYS :2023/05/11 02:58:54.066:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:54.064:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:54.070:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

SYS :2023/05/11 02:58:55.066:LOCATION:location_validate_best_on_route_sol: last DR time 1683773935.57 GPS time 1683773935.0

SYS :2023/05/11 02:58:55.067:LOCATION:determine_train_dir: rolled back [-2]ft anchor at[NS:5620,9050:350]

SYS :2023/05/11 02:58:55.065:WAYSIDE_MGR:wsm_cb_switch_request: pre processing for requested Unmonitored Switch[1000022] logical[2] status[0]

SYS :2023/05/11 02:58:55.071:SWITCH_MGR:swm_process_switch_protected_by_signal: switch [NS:5620:1000022] is aligned to NORMAL position

WARN:2023/05/11 02:58:55.575:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306201] WIUSubDivID:[36] as the current sent time and previous sent time difference is [0] seconds!

CHR :2023/05/11 02:58:55.575:VETMS_CHM_RECORDER:2023/05/11|02:58:55.575|22|EMF|3|5100|2

SYS :2023/05/11 02:58:55.595:WAYSIDE_MGR:wsm_pre_process_signal: Distance to Signal [69] is [-1783] ignoring updates.

WARN:2023/05/11 02:58:55.666:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU ID:[755067306301] WIUSubDivID:[32] as the current sent time and previous sent time difference is [-4] seconds!

CHR :2023/05/11 02:58:55.666:VETMS_CHM_RECORDER:2023/05/11|02:58:55.666|22|EMF|3|5100|2

WARN:2023/05/11 02:58:55.772:WAYSIDE_MGR:wsm_process_wiu_data:: Ignored WIU Status from WIU