

===== PuTTY log 2023.07.07 00:14:01 =====

\*menu\*

\*\*\*\_ Welcome \_\*\*\*

Executive : 9.3N (CRC32=f95a07b7)  
Speech : 1.1 (CRC32=80730d01)  
Boot : 3.0 (CRC32=6f3610ba)  
SiteIDMicro: P010038  
SiteIDFName: 10038  
Time Zone : Eastern [EDT] + Daylight Saving (UTC - 4).  
Note: Daylight Saving option is Enabled!

Last Start : Thu Oct 6, 2022 @ 11:34.

Last Train : Oct 6, 2022 @ 08:55. Train # 86, 280 axles. Direction = East

Telnet P10001 : User Online  
Telnet P 9999 : Free

NS Yellow Sulphur, VA MP 276.3  
[00:14:04] SDM\_Micro v0.7 - Telnet Port 10001 > hbd

You are connected to MicroHBD.  
Press Ctl+S to re-activate SDM's menus

Sending \*MENU\* command to MicroHBD.

Progress Rail Services - Inspection and Information Systems  
MicroHBD Ver 9.3N  
Boot Ver 3.0  
ETH Ver Unknown  
Jul 07, 2023 00:14:09

Yellow Sulphur, Va., Single Track MP:276.30  
Display > ??

MicroHBD Ver 9.3N  
Boot Ver 3.0

ETH Ver Unknown  
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Jul 07 2023  
00:14:15

Display Mode

- L - List All Trains in Standard Directory
- LA - List Defect Trains In Standard Directory
- LI - List Integrity Trains In Standard Directory
- LW - List Warning Trains In Standard Directory
- LD - List Trains in Defect Directory
- D# - Detail Report for Train #
- R# - Summary Report for Train #
- A# - Display Axles With Alarms for Train #
- B# - Display Selected Axles for Train #
- P# - Display Heat Profile of All Axles for Train #
- PW - Display Last Working Train Heat Profiles

- V# - Replay/Display Train Voice Messages for Train #
- VH# - View Heat Profiles of All Axles for Train #
- U - List Rebroadcast Logs
- G - List System Logs
- S - Show Statistical Information
- T - Simulate Test Train - Walk Around Test
- C - Test Scanner
- Z - Pass Through
- XS# - Transmit S918 Train Data
- XF# - Transmit FTP Train Data
- DISP - Display Settings
- I - Display Site Information
- SHOW - Display Settings for this Mode
- M - Change to Another Mode

Yellow Sulphur, Va., Single Track MP:276.30  
 Display > ll

Yellow Sulphur, Va. Single Track 276.30

Profile Key: A = Atypical, \* = Warm, ^ = Alarm, \$ = Corrected  
 Flag Key: B = Bad Data, A = Del Axles, C = Del Cars, E = ETP/ETM In Use,  
 P = Pwr Fail, V = Low Volt, X = Trn Sent, N = Trn Not Sent,  
 W = Trn Waiting To Send, T = Lost Tags

Indx #	Dir	Axle #	Car Cnt	Spd In/Out	Alrm Cnt	Int Cnt	Tmp	Avg Ch1	Avg Ch2	Arrival Time	Date	Flags
95	E	12	2	17/ 18	0	0	68	2	4	22:26	07-06-2023	XWW
94	E	452	112	27/ 23	0	0	75	23	24	20:22	07-06-2023	XWW
93^	E	438	108	24/ 26	1	0	84	25	27	17:26	07-06-2023	XWW
92	E	460	114	22/ 24	0	0	86	23	25	14:10	07-06-2023	XWW
91	E	432	107	30/ 30	0	0	63	26	28	08:02	07-06-2023	XWW
90	E	432	107	25/ 26	0	0	63	28	30	04:11	07-06-2023	XWW
89	E	844	211	20/ 22	0	W	84	24	26	18:00	07-05-2023	XWW
88	E	444	109	19/ 20	0	0	82	21	24	15:42	07-05-2023	XWW
87	E	440	109	23/ 23	0	0	81	21	24	13:06	07-05-2023	XWW
86	E	438	108	23/ 28	0	0	82	17	20	12:20	07-05-2023	XWW
85	E	436	108	25/ 26	0	0	64	27	30	23:20	07-04-2023	XWW
84	E	352	87	28/ 28	0	0	82	23	26	13:39	07-04-2023	XWW
83	E	432	107	22/ 28	0	0	75	24	27	10:50	07-04-2023	XWW
82	E	452	112	22/ 27	0	0	68	27	29	08:29	07-04-2023	XWW
81	E	432	107	27/ 28	0	0	64	26	28	07:49	07-04-2023	XWW
80	E	406	100	21/ 24	0	0	63	28	30	04:30	07-04-2023	XWW
79	E	872	216	14/ 27	0	W	63	26	28	03:32	07-04-2023	XWW
78	E	328	81	29/ 30	0	0	82	27	30	16:10	07-03-2023	XWW
77	E	472	117	20/ 23	0	0	77	25	26	11:26	07-03-2023	XWW
76	E	452	112	21/ 26	0	0	64	26	28	07:19	07-03-2023	XWW
75	E	420	104	23/ 23	0	0	75	28	30	20:56	07-02-2023	XWW
74	E	424	105	11/ 13	0	0	64	16	17	07:56	07-02-2023	XWW
73	E	831	209	21/ 11	0	W	63	25	26	04:49	07-02-2023	XWW
72	E	452	112	24/ 23	0	0	70	27	28	20:54	07-01-2023	XWW
71	E	352	87	25/ 28	0	0	82	25	28	16:22	07-01-2023	XWW
70	E	458	113	25/ 29	0	0	81	25	27	14:39	07-01-2023	XWW
69	E	456	113	27/ 29	0	0	72	26	28	10:13	07-01-2023	XWW
68	E	444	110	21/ 25	0	0	64	26	28	00:51	07-01-2023	XWW
67	E	380	93	28/ 28	0	0	84	26	29	17:33	06-30-2023	XWW
66	E	438	108	24/ 27	0	0	82	19	22	15:55	06-30-2023	XWW
65	E	436	108	28/ 30	0	0	81	23	26	13:58	06-30-2023	XWW
64	E	4	2	10/ 10	0	W	79	12	9	13:13	06-30-2023	XWW
63	E	4	2	7/ 7	0	W	68	2	3	11:07	06-30-2023	XWW
62	E	438	108	25/ 27	0	0	64	27	28	09:04	06-30-2023	XWW
61	E	432	107	19/ 16	0	0	61	20	22	06:45	06-30-2023	XWW
60	E	452	112	20/ 23	0	0	61	25	27	03:15	06-30-2023	XWW
59	E	454	112	22/ 25	0	0	63	14	16	01:30	06-30-2023	XWW
58	E	352	87	23/ 25	0	0	63	25	27	00:59	06-30-2023	XWW



164	E	396	98	28/ 30	0	0	52	27	28	08:20	06-18-2023	XWW
163	E	352	87	23/ 25	0	0	50	28	30	03:17	06-18-2023	XWW
162	E	460	114	24/ 23	0	0	54	27	28	00:48	06-18-2023	XWW
161	E	420	104	27/ 27	0	0	63	26	28	09:58	06-17-2023	XWW
160	E	436	108	21/ 27	0	0	55	27	29	08:21	06-17-2023	XWW
159	E	412	102	22/ 27	0	0	52	26	27	05:21	06-17-2023	XWW
158	E	340	84	24/ 21	0	0	57	28	30	00:12	06-17-2023	XWW
157	E	436	108	23/ 25	0	0	72	24	26	18:52	06-16-2023	XWW
156	E	432	107	21/ 25	0	0	75	25	27	18:01	06-16-2023	XWW
155	E	904	224	15/ 9	0	0	79	20	22	14:12	06-16-2023	XWW
154	E	438	108	23/ 24	0	0	68	22	24	09:45	06-16-2023	XWW
153	E	432	107	21/ 23	0	0	54	26	28	05:01	06-16-2023	XWW
152	E	458	113	13/ 14	0	0	57	28	29	00:42	06-16-2023	XWW
151	E	438	108	24/ 8	0	0	77	25	26	17:49	06-15-2023	XWW
150	E	496	123	22/ 24	0	0	77	25	28	14:55	06-15-2023	XWW
149	E	904	224	20/ 7	0	0	66	25	26	09:18	06-15-2023	XWW
148	E	872	218	23/ 10	0	W	57	22	23	05:30	06-15-2023	XWW
147	E	904	224	13/ 9	0	0	66	25	26	19:39	06-14-2023	XWW

Yellow Sulphur, Va., Single Track MP:276.30  
Display > DD9933

Site Name : Yellow Sulphur, Va.                      Seq Number : 8445  
Milepost : 276.30                                      DB Index # : 93

Direction : East                                      Arrival : 17:26 07-06-2023  
Speed In/Out: 24/26 MPH                              Departure : 17:29:16  
Slow Speed : 24 MPH                                      Maximum Speed : 26 MPH  
Average Speed : 24 MPH

Amb Temp : 84 F                                      Battery Voltage: 13.23

Axles : 438    Train Length : 5464.9 Feet  
Alarms : 1    Cars : 108  
Integ Fails : 0    Gate A Cnt : 438  
System Warn : 0    Gate B Cnt : 438  
Ch1 Atypical: 0    Ch1 Atyp Alm: 0  
Ch2 Atypical: 0    Ch2 Atyp Alm: 0  
Sunshot Fltr: Inactive  
Radio : On    DED Alarms : On  
HBD Scanners: On    AUX Alarms : Off  
Announce ABS: On    Announce WRM: On  
Announce DIF: Off    Announce CSA: On  
Announce DED: On    Announce HI : On  
Announce WD1: On    Announce WD2: On  
Announce HWD: On  
Efficy. Test: Off

Integ Ch1 : 253 F                                      Avg Ch1 : 25 F  
Integ Ch2 : 253 F                                      Avg Ch2 : 27 F

ABS High : 170 F                                      Lowest Ch1 : 0 F  
Diff Limit : 115 F                                      Lowest Ch2 : 0 F  
Diff Low Lim: 0 F    Highest Ch1 : 72 F  
CSA Slope : 1.60    Highest Ch2 : 253 F  
CSA Limit : 255 F    Warm High : 255 F  
HBD Filter : 13 Point Median Filter

1 Alarms

1 - ABS Hot Journal. Axle 299. North Ch1 = 14. Ch2 = 253

Car Num	Axle Num	Spacing (Feet)	Ch1 (F)	Ch2 (F)	Alarms
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----- Heat Units = F

1	1	0.0	26	31
	2	6.5	2	21
	3	6.8	0	2
	4	33.0	4	2
	5	6.8	21	10
	6	6.5	8	29
2	7	13.1	0	6
	8	6.4	0	6
	9	6.4	0	10
	10	32.5	4	10
	11	6.4	8	6
	12	6.4	0	2
3	13	13.0	37	24
	14	6.5	24	6
	15	6.8	26	18
	16	33.0	29	34
	17	6.8	14	26
	18	6.5	0	0
4	19	9.7	29	26
	20	5.7	33	26
	21	32.3	21	29
	22	5.7	24	29
5	23	6.1	21	21
	24	5.7	14	18
	25	32.3	26	26
	26	5.7	24	26
6	27	6.1	24	29
	28	5.7	20	29
	29	32.3	24	26
	30	5.7	21	29
7	31	6.3	21	24
	32	5.7	26	29
	33	32.3	21	34
	34	5.7	26	29
8	35	6.4	26	21
	36	5.7	24	29
	37	32.3	34	37
	38	5.7	26	24
9	39	6.3	21	29
	40	5.7	29	40
	41	31.4	34	37
	42	5.7	26	34
10	43	6.3	30	29
	44	5.7	29	26
	45	32.4	37	47
	46	5.7	29	29
11	47	6.4	26	29
	48	5.7	21	21
	49	32.4	30	26
	50	5.7	37	34
12	51	6.8	10	21
	52	5.7	33	34
	53	33.5	30	31
	54	5.7	38	34

13	55	6.8	26	24
	56	5.7	38	43
	57	31.5	29	37
	58	5.7	21	24
14	59	6.4	29	26
	60	5.7	26	26
	61	32.4	30	37
	62	5.7	34	34
15	63	6.4	10	21
	64	5.7	21	18
	65	32.5	24	24
	66	5.7	24	26
16	67	6.1	29	26
	68	5.7	34	34
	69	32.5	30	37
	70	5.7	21	26
17	71	6.2	24	24
	72	5.7	37	37
	73	32.5	29	29
	74	5.7	24	26
18	75	6.3	20	24
	76	5.7	24	26
	77	32.5	21	29
	78	5.7	21	26
19	79	6.1	24	14
	80	5.7	20	26
	81	32.6	37	43
	82	5.7	26	29
20	83	6.3	16	21
	84	5.7	20	24
	85	32.5	24	24
	86	5.7	24	29
21	87	6.4	24	29
	88	5.7	24	24
	89	32.5	26	34
	90	5.7	21	21
22	91	6.4	20	18
	92	5.7	21	24
	93	32.6	24	26
	94	5.7	24	24
23	95	6.4	14	14
	96	5.7	20	18
	97	31.6	21	24
	98	5.7	29	31
24	99	6.4	20	29
	100	5.7	29	26
	101	31.5	34	31
	102	5.7	38	46
25	103	6.4	16	18
	104	5.7	24	24
	105	32.5	24	29
	106	5.7	24	26
26	107	6.4	14	18
	108	5.7	14	26

	109	32.5	34	43
	110	5.7	33	31
27	111	6.4	24	26
	112	5.7	29	31
	113	31.5	21	31
	114	5.7	21	14
28	115	6.4	26	29
	116	5.7	26	29
	117	32.4	26	31
	118	5.7	26	24
29	119	6.3	21	24
	120	5.7	29	26
	121	32.4	21	34
	122	5.7	24	24
30	123	6.1	21	24
	124	5.7	24	29
	125	32.3	29	34
	126	5.7	29	29
31	127	6.3	29	34
	128	5.7	20	18
	129	31.3	29	34
	130	5.7	21	24
32	131	6.3	21	26
	132	5.7	21	26
	133	32.3	33	34
	134	5.7	21	24
33	135	6.3	16	24
	136	5.7	29	18
	137	32.2	24	31
	138	5.7	24	21
34	139	6.8	14	18
	140	5.7	26	26
	141	31.2	24	24
	142	5.7	33	24
35	143	6.8	20	26
	144	5.7	26	29
	145	32.1	26	26
	146	5.6	29	24
36	147	6.3	16	24
	148	5.7	26	24
	149	32.0	21	29
	150	5.6	24	21
37	151	6.3	24	26
	152	5.6	20	24
	153	31.9	33	31
	154	5.6	29	34
38	155	6.3	20	24
	156	5.6	24	29
	157	33.2	26	31
	158	5.8	29	26
39	159	6.5	24	31
	160	5.6	30	31
	161	33.1	29	26
	162	5.8	30	43

40	163	6.4	16	14
	164	5.8	21	26
	165	33.1	34	31
	166	5.8	24	21
41	167	6.4	24	29
	168	5.8	29	34
	169	32.1	29	34
	170	5.8	30	34
42	171	6.5	14	14
	172	5.8	24	21
	173	33.1	16	26
	174	5.8	26	24
43	175	6.5	20	24
	176	5.8	26	26
	177	33.0	26	29
	178	5.8	21	24
44	179	6.5	26	31
	180	5.8	26	29
	181	32.9	26	31
	182	5.8	29	31
45	183	6.4	26	21
	184	5.7	29	26
	185	32.9	24	31
	186	5.8	30	29
46	187	6.5	24	24
	188	5.7	26	29
	189	32.9	30	31
	190	5.7	24	29
47	191	6.4	21	24
	192	5.7	26	40
	193	32.7	26	26
	194	5.7	24	26
48	195	6.4	10	14
	196	5.7	26	34
	197	32.7	26	31
	198	5.8	33	26
49	199	6.3	29	24
	200	5.7	16	24
	201	32.6	26	26
	202	5.7	34	29
50	203	6.3	20	26
	204	5.7	14	18
	205	32.7	20	26
	206	5.7	21	24
51	207	6.4	30	31
	208	5.7	29	31
	209	31.6	38	34
	210	5.7	33	29
52	211	6.4	26	21
	212	5.7	21	21
	213	32.6	24	24
	214	5.7	29	26
53	215	6.4	24	26



	216	5.7	26	26
	217	32.5	29	29
	218	5.7	29	31
54	219	6.4	21	24
	220	5.7	24	26
	221	32.5	30	31
	222	5.7	24	29
55	223	6.4	50	58
	224	5.7	68	58
	225	32.5	46	58
	226	5.7	72	67
56	227	6.3	8	2
	228	5.7	21	14
	229	32.4	26	34
	230	5.7	29	29
57	231	6.3	20	21
	232	5.7	24	26
	233	32.4	24	29
	234	5.7	21	29
58	235	6.4	21	24
	236	5.7	26	26
	237	32.4	24	29
	238	5.7	24	26
59	239	6.3	29	31
	240	5.7	26	26
	241	32.3	26	29
	242	5.7	24	26
60	243	6.3	26	26
	244	5.7	33	31
	245	32.3	26	29
	246	5.7	29	31
61	247	6.3	21	21
	248	5.7	24	26
	249	32.2	29	43
	250	5.7	21	18
62	251	6.3	30	37
	252	5.7	29	29
	253	31.3	29	31
	254	5.7	24	26
63	255	6.3	21	29
	256	5.7	26	26
	257	32.3	26	29
	258	5.7	26	29
64	259	6.4	16	24
	260	5.7	21	31
	261	31.2	33	29
	262	5.7	33	34
65	263	6.2	20	26
	264	5.7	24	40
	265	32.2	26	29
	266	5.7	29	26
66	267	6.3	26	37
	268	5.6	37	34
	269	31.2	26	31

	270	5.6	24	29	
67	271	6.3	26	31	
	272	5.6	26	29	
	273	32.1	21	26	
	274	5.6	29	29	
68	275	6.2	29	26	
	276	5.6	30	29	
	277	32.1	30	40	
	278	5.6	38	34	
69	279	6.3	21	24	
	280	5.6	24	26	
	281	32.0	24	29	
	282	5.6	37	34	
70	283	6.3	20	24	
	284	5.7	16	18	
	285	31.0	14	24	
	286	5.6	16	18	
71	287	6.3	24	24	
	288	5.6	29	31	
	289	32.0	29	47	
	290	5.6	21	26	
72	291	6.2	24	26	
	292	5.7	29	31	
	293	32.0	24	29	
	294	5.6	30	34	
73	295	6.3	24	21	
	296	5.6	21	26	
	297	32.0	37	43	
	298	5.6	33	37	
74	299^	6.2	14	253	ABS2
	300	5.6	20	0	
	301	32.0	29	37	
	302	5.6	30	26	
75	303	6.3	26	29	
	304	5.9	24	29	
	305	32.0	34	31	
	306	5.9	26	18	
76	307	6.3	24	31	
	308	5.6	24	29	
	309	31.9	24	29	
	310	5.8	24	26	
77	311	6.2	20	21	
	312	5.9	24	31	
	313	31.9	20	26	
	314	5.9	26	26	
78	315	6.5	20	18	
	316	5.9	29	24	
	317	32.2	16	21	
	318	5.6	24	14	
79	319	6.3	26	31	
	320	5.8	38	34	
	321	32.2	41	34	
	322	5.6	33	26	

80	323	6.3	30	24
	324	5.8	30	31
	325	32.2	29	31
	326	5.9	29	18
81	327	6.2	20	21
	328	5.6	30	31
	329	33.2	29	29
	330	5.8	20	24
82	331	6.5	20	24
	332	5.8	33	26
	333	33.2	26	29
	334	5.8	29	31
83	335	6.5	14	18
	336	5.6	29	26
	337	33.2	24	26
	338	5.9	20	26
84	339	6.5	21	26
	340	5.8	26	26
	341	33.2	26	29
	342	5.6	24	29
85	343	6.5	20	24
	344	5.8	26	34
	345	33.1	24	24
	346	5.8	24	29
86	347	6.5	26	24
	348	5.8	21	26
	349	32.1	26	37
	350	5.8	29	26
87	351	6.5	21	24
	352	5.9	26	26
	353	33.2	30	34
	354	5.8	24	26
88	355	6.3	34	31
	356	5.8	20	24
	357	33.2	21	26
	358	5.8	37	34
89	359	6.3	24	31
	360	5.8	26	29
	361	31.9	29	34
	362	5.8	24	29
90	363	6.3	24	21
	364	5.6	26	31
	365	33.2	29	29
	366	5.8	16	21
91	367	6.5	29	34
	368	5.8	33	31
	369	30.9	21	29
	370	5.6	37	34
92	371	6.5	16	24
	372	5.6	29	26
	373	33.2	26	29
	374	5.6	26	37
93	375	6.5	16	21
	376	5.8	24	21

	377	33.1	21	29
	378	5.6	21	21
94	379	6.4	24	24
	380	5.6	26	29
	381	33.2	37	43
	382	5.6	41	40
95	383	6.3	21	29
	384	5.8	26	29
	385	32.0	26	26
	386	5.8	29	31
96	387	6.3	24	14
	388	5.8	29	18
	389	32.0	21	24
	390	5.6	24	34
97	391	6.6	21	18
	392	5.6	34	31
	393	32.0	30	37
	394	5.9	24	21
98	395	6.3	29	21
	396	5.6	29	31
	397	32.0	24	29
	398	5.6	16	18
99	399	6.4	24	26
	400	5.6	24	29
	401	33.2	26	26
	402	5.8	16	18
100	403	6.4	24	24
	404	5.8	24	29
	405	32.0	26	26
	406	5.6	29	21
101	407	6.4	21	29
	408	5.6	26	29
	409	32.0	26	26
	410	5.6	24	29
102	411	6.3	21	26
	412	5.6	24	31
	413	32.0	26	29
	414	5.6	24	18
103	415	6.3	21	29
	416	5.6	24	26
	417	32.0	29	24
	418	5.6	24	31
104	419	6.6	16	21
	420	5.6	34	31
	421	31.0	20	24
	422	5.6	26	26
105	423	6.3	24	29
	424	5.6	21	21
	425	31.8	26	34
	426	5.9	20	18
106	427	6.6	33	26
	428	5.6	34	34
	429	32.0	34	46
	430	5.6	26	26

107	431	6.3	26	34
	432	5.9	26	29
	433	32.2	34	29
	434	5.6	20	34
108	435	6.7	20	26
	436	5.6	26	29
	437	31.9	26	26
	438	5.8	24	26

Yellow Sulphur, Va., Single Track MP:276.30

Display > i

```

i
                                NS HBD/HWD/AEI
                                HBD Ver 9.3N
                                Speech Ver 1.1
                                Boot Ver 3.0
                                ETH Ver Unknown

```

```

Firmware Installed: Mar 04 2019
Last Power Reset   : Mar 23 2023 10:27:15
Current Time/Date  : Jul 07, 2023 00:15:32

```

```

Current Temp       : 66 F
Battery Voltage    : 13.35 Volts DC
CPU Board ID      : 227448-100 CPU3
SIB Board ID      : 227294-004 Pyro ACS II
Analog Board ID   : 227261-001A Enhanced I/O

```

```

                                Last Changed
                                -----
                                Set at Default Values
                                From COM3, Local Maintenance
                                Oct 16 2019
                                17:42:59

```

Display Settings

```

Display Temperature with Ambient : No
Remember Password Duration       : 10 min
Display Heat in Metric           : No
Display Distance in Metric       : No
Display Speed in Metric          : No
Display Loco Tag in Train List   : No

```

```

                                Last Changed
                                -----
                                Set at Default Values
                                From COM3, Local Maintenance
                                Oct 16 2019
                                17:39:40

```

Port Configuration

```

COM1, S918           : 19200 baud
COM4, Remote Maint. Dial Up : 9600 baud
COM2, Local Maintenance : 19200 baud
COM3, Local Maintenance : 9600 baud
COM1                 : S918
COM4                 : Remote Maint. Dial Up
COM2                 : Local Maintenance
COM3                 : Local Maintenance
COM1 Flow Control    : None
COM4 Flow Control    : None
COM2 Flow Control    : None
COM3 Flow Control    : None

```

```

                                Last Changed
                                -----
                                Railroad Staff
                                From (null)

```

Jun 05 2023  
10:48:11

Transducer Configuration

Transducer Miscount Warning Level : 4  
Transducer Miscount Integrity Level : 8  
Axle Window Timeout Pad : 40 Percent  
Minimum Axles For Speed Stabilization : 3  
Transducer Spacing (A to B) : 24.00 Inch  
Default Axle Speed : 60 MPH  
Max Axle Speed : 110 MPH  
Inter-Axle Debounce : 36.00 Inch

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Track Configuration

Milepost Number : 276.30  
Milepost Suffix :  
Site Name : Yellow Sulphur, Va.  
AAR Billing Code : 00502  
AAR Site ID : P010038  
Track Direction (A-B) : East  
Alarm Side For Ch 1 : South  
Track Name : Single Track - Do not broadcast name  
Train Scan Direction : A<->B

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Train Processing Setup

Ignore 1st ... Axles For Heat Alarms : 0  
Ignore 1st ... Axles For High/Wide Alarms : 0  
Announce Sequential Aux Alarms as From / To : Enabled  
Train Timeout : 10 s  
AEI Data Collection Timeout : 8 s  
Slow Train Speed Threshold : 7 MPH  
Default Axles for Calibrated Test Train : 200  
Minimum Axles for Train : 4  
Minimum Axles For High Railer : 4

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Scanner Test

Enable/Disable Scanner Test : Enabled  
Scanner Test Passing Level : 150 F  
# of Warnings Before Integrity Fail : 3  
Scanner Integrity Heater On Time : 4 s  
Enable/Disable Cold Train Test : Enabled  
Min Heat Level for Cold Train Test : 10 F  
Min Heat for Deviation Test : 10 F  
Min Axles on Train for Cold Train Test : 20  
Maximum Cold Trains : 2

Last Changed

-----

Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Filter Configuration

Hot Bearing Filter : 13 Point Median Filter  
Peak Detect Filter : Enabled  
Peak Rising Threshold : 130 F  
Peak Falling Threshold : 10 F  
Peak Count Threshold : 2  
Corrected Bearing Temp. Threshold : 10 F  
Atypical integrity Fail Enable : Enabled  
Heat Profile Storage Limit : 100 F  
Sunshot Filter : Disabled  
Spring Sunshot Filter Start Date : Jan 15  
Spring Sunshot Filter Start Time : 12:00:00  
Spring Sunshot Filter End Time : 12:00:00  
Spring Sunshot Filter Expiration Limit : 14 Days  
Fall Sunshot Filter Start Date : Jan 15  
Fall Sunshot Filter Start Time : 12:00:00  
Fall Sunshot Filter End Time : 12:00:00  
Fall Sunshot Filter Expiration Limit : 14 Days  
Capture 16 Highest Profiles : Disabled

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Modem Config Options

External Modem Init String : &F0 V0 S0=1 &C1 &D1 Q0 &W0

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Radio Setup

Radio : Enabled  
Enable/Disable Radio Sharing : Enabled  
Sharing Signal State : Open  
Sharing Timeout : 120 sec  
Radio Squelch Signal State : Close  
Radio Squelch Timeout : 30 sec  
Enable/Disable Rebroadcast : Rebroadcast Timeout Enabled  
Rebroadcast Signal State : Close  
Rebroadcast Timeout : 10 min  
Radio Calibration Level : 0.81  
Enable/Disable Auto Rebroadcast : Disabled  
Automatic Radio Enable Logic : Disabled

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

Speech Flags

Broadcast Arrival A To B : Never  
Broadcast Arrival B To A : Never  
Broadcast Departure A To B : Always  
Broadcast Departure B To A : Always  
Broadcast Absolute Alarms : Enabled

```

Broadcast Warm Alarms           : Enabled
Broadcast Differential Alarms   : Disabled
Broadcast Carside Alarms       : Enabled
Broadcast Hot Wheel Alarms     : Enabled
Broadcast Dragger Alarms       : Enabled
Broadcast High Alarms          : Enabled
Broadcast Wide 1 Alarms        : Enabled
Broadcast Wide 2 Alarms        : Enabled
Broadcast Signoff               : Disabled
Repeat On No Defect             : Enabled
Announce Alarms as Tone Only   : Disabled
Broadcast Slow Train           : Enabled
Broadcast Speed On Depart      : Never
Broadcast Total Cars           : Disabled
Broadcast Total Axles          : Disabled
Broadcast Train Length         : Disabled
Broadcast Total Alarms         : Disabled
Broadcast Power Failure        : Disabled
Broadcast Milepost Decimal     : Enabled
Broadcast Train Direction      : Disabled
Car Tag Broadcast Options      : Announce Tag Data Only
Broadcast Car axle With Car Tag : Enabled
Optical Sensor Announcement    : Announce Sensor as HIGH/WIDE
Wire Sensor Announcement       : Announce Sensor as SHIFTED
Broadcast Temp on Arrival       : Disabled
Broadcast Temp on Departure    : Disabled
Broadcast Temp on Trip Points  : Disabled
Temperature Announcement Units : Standard
Efficiency Test Mode           : Disabled

```

Last Changed

-----

Set at Default Values

From COM3, Local Maintenance

Oct 16 2019

17:39:40

#### Speech Options

```

Print Voice Port                : Disabled
# Broadcast Times                : 2
Max Total Alarms                : 13
Max Total Draggers              : 3
Max Total High Load Alarms      : 3
Max Total Wide 1 Load Alarms   : 3
Max Total Wide 2 Load Alarms   : 3
Max Total Hot Bearing Alarms    : 3

```

Last Changed

-----

Set at Default Values

From COM3, Local Maintenance

Oct 16 2019

17:39:40

#### Ethernet Config Options

```

Dynamic IP Configuration        : Disabled
Ethernet User ID                : PRS
Ethernet Password               : *****
HBD Static IP Address           : 192.168.1.100
HBD Static Subnet Address       : http://255.255.255.0
HBD Static Gateway Address     : 0.0.0.0
HBD HTTP Port                   : 80
HBD Telnet Port                 : 10000
FTP IP Address                  : 0.0.0.0
FTP User ID                     :
FTP Password                    :
FTP Final File Path             : \

```



FTP Train File Prefix :  
FTP Status File Prefix :  
FTP Final File Extension : HBD  
FTP IP Based File Naming : Disabled  
FTP Automated Reporting : Enabled  
FTP Status File Reporting : Disabled  
FTP Temp. Deviation For Status Reporting : 5 F  
FTP Report Format : S918  
FTP Train Resend Attempts : 3  
FTP Train Resend Time : 60 Seconds  
FTP Response Timeout : 60 Seconds

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:39:40

#### SNTP Config Options

SNTP Sync Enabled : Disabled  
SNTP Primary Address : 192.168.1.100  
SNTP Secondary Address : 192.168.1.100  
Daylight Savings Enabled : Disabled  
Time Zone : GMT  
SNTP Server Check Frequency : 1800 Seconds

Last Changed

-----  
Railroad Staff  
From COM1, S918  
Mar 23 2023  
10:27:50

#### S918 Reporting Options

Automated Local Serial S918 Reporting : Enabled  
S918 Train Resend Attempts : 2  
S918 Train Resend Time : 120  
S918 Axle Spacing Format : Axle Spacing in ft.  
S918 Bearing Heat Format : Bearing Heat Degrees F  
S918 Delimiter Character : Space Character  
S918 Use Version 1.2 : Enabled  
S918 Send Train Index # Instead Of Sequence # : Enabled  
Report Heat Independent Of Train Direction : Disabled  
Use SW Flow Control In Menu Mode : Enabled

Last Changed

-----  
Railroad Staff  
From COM3, Local Maintenance  
Mar 23 2023  
10:37:59

#### Calibration

Calibrate Scanner 1 : Calibration Complete  
Last Changed On : 10:33:31 03-23-2023  
Calibrate Scanner 2 : Calibration Complete  
Last Changed On : 10:37:59 03-23-2023  
Ch1 Calibration Factor : 149  
Ch2 Calibration Factor : 187  
Print Calibration Values : Enabled  
Prompt For Ambient (Servo FS) : Disabled  
Calibrate Temperature Probe : Calibration Complete  
Temperature Factor : 100

Last Changed

-----  
Railroad Staff  
From COM1, S918

May 25 2023  
20:11:22

Alarm Limits

Hot Bearing High Limit : 170 F  
Warm Bearing High Limit : 255 F  
Differential Alarms : Enabled  
Differential Bearing High Limit : 115 F  
Differential Bearing Low Limit : 0 F  
Carside Alarms : Disabled  
Carside Low Limit : 255 F  
Carside Slope : 1.60  
Low Battery Threshold : 9.000 Volts  
High Load 1 Height : 19.2 ft  
High Load 2 Height : 19.2 ft  
Non Alarm High Load 2 Height : 19.2 ft

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:42:02

Train Reporting Options

Report All Trains : Yes  
Report Test Trains : Yes  
Print Car List With Summary : No  
Local Reporting Port : Disabled  
Remote Reporting Port : Disabled

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:42:59

Equipment Setup

Dragger : Enabled  
Radio : Enabled  
High Load 1 : Disabled  
High Load 2 : Disabled  
Wide Load 1 : Disabled  
Wide Load 2 : Disabled  
System Function : Function As a HBD Only  
Bearing Scanner : Enabled  
AC Monitor : Enabled  
Scanner Case Heater : Enabled  
AEI Data Forward : Disabled

Last Changed

-----  
Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:42:59

Signal	PConn - Pin	Normal State	Type	Sense Func Dir
Dragger	P1-1	Closed	Input (Recov)	Alm A<->B
High Load 1	P1-2	Closed	Input (Recov)	Alm A<->B
High Load 2	None			
Non Alm High Load 2	None			
Wide Load 1	P1-3	Closed	Input (Recov)	Alm A<->B
Wide Load 2	P1-4	Closed	Input (Recov)	Alm A<->B
Radio Claimed	P1-6	Open	Output	

Radio Available	P1-7	Open	Input (Recov)
Squelch	P2-13	Closed	Input (Recov)
Rebroadcast	P2-8	Closed	Input (Recov)
Track Circuit	P1-8	Open	Input (Recov)
Hot Bearing Alarm	None		
Hot/Cold Wheel Alarm	None		
Integrity Alarm	None		
Inverter Output	None		
RF Monitor	None		
Illegal Entry	None		
Slide Fence	None		
Battery Charger Monitor	None		

Last Changed

-----

Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:42:59

Display Settings

Display Temperature with Ambient	: No
Remember Password Duration	: 10 min
Display Heat in Metric	: No
Display Distance in Metric	: No
Display Speed in Metric	: No
Display Loco Tag in Train List	: No

Last Changed

-----

Set at Default Values  
From COM3, Local Maintenance  
Oct 16 2019  
17:42:59

Heat Processing

Scanner Distance To Transducer A	: 8 Inch
Axle Window Size	: 28 Inch
Scanner To Axle Window (A Side)	: 4 Inch

Yellow Sulphur, Va., Single Track MP:276.30  
Display > xx

Invalid Command

Yellow Sulphur, Va., Single Track MP:276.30  
Display > bybey  
e

Invalid Command

Yellow Sulphur, Va., Single Track MP:276.30  
Display > eexixti  
t