

**Factual Report – Attachment 8**  
**Atlas Air 3591 ACARS Messages**

**OPERATIONAL FACTORS**

DCA19MA086

N1217A GTI3591.23Feb19 KMIA-KIAH

Flight plan route uplink request

QU ANPOC5Y  
.QXSXMXS 231508  
FML  
FI 5Y3504/AN N1217A  
DT QXS MIA2 231508 F10A  
- REQFPN/CO0885501BDA

Flight plan route uplink from Navblue

QU QXSXMXS  
.DDLIRXA 231509  
FML  
AN N1217A/MA 093A  
- FPN/RI:F:KMIA..WINCO,N26250W080583..DOLIE,N27171W081546.Y280..  
LEV,N29105W090062..GIRLY,N29291W093046..KIAH:DA:KMIA:AA:KIAH  
8434

ACARS Media Advisory

QU DDLIRXA  
.QXSXMXS 231509  
MAS  
AN N1217A/MA 093S  
DT QXS MIA2 231509 S74A

KMIA D-ATIS Request

QU ANPOC5Y  
.QXSXMXS 231514  
RAI  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231514 L21A  
- TI2/024KMIADA7FA

Uplink KMIA D-ATIS

QU QXSXMXS  
.ATS5YXA 231514  
DAI  
AN N1217A  
- /ATS5YXA.TI2/KMIA DEP ATIS O  
1453Z MIA DEP INFO O 1453Z.  
11014KT 10SM BKN025  
27/23 A3018 (THREE ZERO  
ONE EIGHT). DEPG RWYS  
8L, 8R, 9, 12. RNAV DEP  
WILL BE ASSIGNED HDG.  
NOTAMS... TWY S CLSD BTN  
TWY S1 AND TWY S3. TWY A  
A CLSD. RWY 8R MALSR  
OTS. NUMEROUS CRANES  
VCNTY APRT. CHECK

CURRENT NOTAMS.. BIRD  
ACTIVITY VICINITY ARPT.  
ALL ACFT READ BACK ALL  
HOLD SHRT INSTRUCTIONS  
AND ASSIGNED ALT. }  
...ADVS YOU HAVE INFO O.1CDC

**Wind uplink request**

QU ANPOC5Y  
.QXSXMXS 231516  
FML  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231516 F11A  
-  
REQPWI/WQ:SENOY.CIMBA.FORKK.BORLE.MEAGN.WINCO.DOLIE.SRQ.CHRGE.REMIS.ROZZI.NA  
ITE.REDFN.LEV.GIRLY.BBQUE.LINKK.NNCEE.KONZZ.BEDLM.CHKEN.PRAYY.SMOCR.SHIVV.HO  
WLN.EELPO.MATON.RW08R.DAS/DQ3906B16

**ACARS Media Advisory**

QU DDLIRXA  
.DDLXCXA 231516  
MED  
FI 5Y3591/AN N1217A  
DT DDL XXW 231516 M86A  
- 0ES151639VS

**Wind uplink from Navblue**

QU DDLIRXA MIAFMPO  
.HDQOW5Y 231516  
FMD  
AN N1217A  
- PWI/WD240,  
SENOY,275011.  
CHRGE,246018.  
ROZZI,235032.  
NAITE,231040.  
REDFN,225050.  
LEV,227055.  
GIRLY,231071.  
BBQUE,229075.  
NNCEE,229084  
/WD300,  
SENOY,235007.  
BORLE,228011.  
DOLIE,216019.  
CHRGE,228029.  
ROZZI,230043.  
REDFN,228048.  
LEV,223052.  
GIRLY,233081.  
BBQUE,230086  
/WD340,  
SENOY,234018,340M43.

BORLE, 227024.  
CHRG, 246028.  
REMIS, 246028.  
ROZZI, 252044, 340M45.  
NAITE, 246050.  
REDFN, 242057.  
LEV, 247064.  
GIRLY, 232088, 340M47.  
BBQUE, 230102.  
LINKK, 230102.  
NNCEE, 223106.  
KONZZ, 223106.  
BEDLM, 223106.  
CHKEN, 223106.  
PRAYY, 223106.  
SMOCR, 223106.  
SHIVV, 223106.  
HOWLN, 223106.  
EELPO, 223106.  
MATON, 223106.  
DAS, 223106  
/WD390,  
SENOY, 260024.  
CIMBA, 260024.  
FORKK, 260024.  
BORLE, 259026.  
MEAGN, 259026.  
WINCO, 259026.  
DOLIE, 256037.  
SRQ, 256037.  
CHRG, 247042.  
REMIS, 247042.  
ROZZI, 243061.  
NAITE, 240067.  
REDFN, 241070.  
LEV, 238072.  
GIRLY, 243094.  
BBQUE, 240100.  
LINKK, 240100.  
NNCEE, 240114.  
KONZZ, 240114.  
BEDLM, 240114.  
CHKEN, 240114.  
PRAYY, 240114.  
SMOCR, 240114.  
SHIVV, 240114.  
HOWLN, 240114.  
EELPO, 240114.  
MATON, 240114.  
DAS, 240114  
/DD300227089.  
240229084.  
180235061.  
100223045: , , , ,  
433A

Crew requesting KMIA Runway list from AeroData

QU ANPOC5Y  
.QXSXMXS 231524  
M34  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231524 M87A  
- 207,C,0,23,KMIA,,,4070

**AeroData KMIA Runway uplink**

QU ANPOC5Y  
.PERFF5Y 231524  
M34  
AN N1217A/FI 5Y3591  
- 0  
\*08L 8600>  
\*08L/K2 7000>  
\*08L/K3 6200>  
\*08L/L2 7000>  
\*08L/L3 6200>  
\*08R 10506>  
\*08R/L2 9259>  
\*08R/L3 8430>  
\*08R/M2 9259>  
\*08R/M3 8430>  
\*08R/Z 7250>  
\*09 13016>  
\*09 /T1 9000>  
\*09 /T2 7260>  
\*12 9355>  
\*26L 10506>  
\*26L/L10 8300>  
\*26L/L9 7100>  
\*26L/M10 8300>  
\*26L/M9 7100>  
\*26R 8600>  
\*26R/K9 6900>  
\*26R/L9 6900>  
\*27 13016>  
\*27 /12 11650>  
\*27 /Q 12434>  
\*27 /T5 9700>  
\*27 /U 8920>  
\*30 9355>  
\*30 /09 8650>  
\*30 /S 7100>  
\*30 /T 7600>  
A9A5

**ACARS Message assurance**

QU DDLIRXA  
.QXSXMXS 231525  
MAS  
AN N1217A/FI 5Y3591/MA 117S  
DT QXS MIA1 231525 S87A

**PDC Request**

QU ANPOC5Y  
.QXSXMXS 231540  
RCD  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231540 L22A  
- DC1/RCD 024  
GTI3591-KMIA-GATE W15B-KIAH  
ATIS B  
-TYP/B7676CE1

**PDC uplink**

QU QXSXMXS HDQIT5Y  
.ANPOC5Y 231540  
CLD  
AN N1217A  
- /ANPOC5Y.DC1/CLD 1540 190223 KMIA  
PDC 1  
GTI3591 KMIA-KIAH  
SQUAWK: 0535  
EDT: 1608 EDCT: 1608  
FILED FL: 400  
EQUIP: H/B763/L  
\*\*\*\*\*  
REVIEW ATC INSTRUCTIONS  
\*\*\*\*\*  
FLT PLAN ROUTING:  
KMIA WINCO2 WINCO DOLIE  
Y280  
LEV GIRLY NNCEE1 KIAH  
\*\*\*\*\*  
ATC INSTRUCTIONS:  
CLEARED WINCO2 DEPARTURE  
FLY TOWER ASSIGNED  
HEADING  
MAINTAIN 5000FT  
EXP 400 10 MIN AFT  
DP,DPFRQ 119.45  
GROUND CTRL FREQ 121.8  
\*\*\*\*\*  
REMARKS:  
EMERG CTC XXXXXXXXXX  
TCAS\*\*\*  
END OF CLEARANCEE05C

**PDC uplink (dupe)**

QU ANPOC5Y  
.QXSXMXS 231542  
CDA  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231542 L23A  
- DC1/CDA 1540 190223 KMIA  
PDC 1  
GTI3591 KMIA-KIAH  
SQUAWK: 0535

EDT: 1608 EDCT: 1608  
FILED FL: 400  
EQUIP: H/B763/L  
\*\*\*\*\*  
REVIEW ATC INSTRUCTIONS  
\*\*\*\*\*  
FLT PLAN ROUTING:  
KMIA WINCO2 WINCO DOLIE  
Y280  
LEV GIRLY NNCEE1 KIAH  
\*\*\*\*\*  
ATC INSTRUCTIONS:  
CLEARED WINCO2 DEPARTURE  
FLY TOWER ASSIGNED  
HEADING  
MAINTAIN 5000FT  
EXP 400 10 MIN AFT  
DP,DPFRQ 119.45  
GROUND CTRL FREQ 121.8  
\*\*\*\*\*  
REMARKS:  
EMERG CTC [REDACTED]  
TCAS\*\*\*  
END OF CLEARANCEF06C

**Auto Initialization Report**

QU ANPOC5Y  
.QXSXMXS 231602  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231602 M88A  
- 3G01 INIT 3591/23 KMIA/KIAH .N1217A 60X9Y

**Crew requesting AeroData Takeoff data**

QU ANPOC5Y  
.QXSXMXS 231603  
M31  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231603 M89A  
-  
207,C,23,KMIA,KIAH,08R/,09/,/,0,0,110,14,+27,3018,0,0,0,0,211.6,039.0,20.8,0  
39.0,584F

**AeroData Takeoff data**

QU ANPOC5Y  
.PERFF5Y 231603  
M31  
AN N1217A/FI 5Y3591  
- 211.6  
016.9  
  
KMIA CF680C2B6F  
FLT NO RLS NO TIME

3591 8 1603Z  
WIND KTS OAT C QNH  
110/14 +27 30.18

-----  
GRWT 250.6 VREF30 127  
FUEL 39.0  
ZFW 211.6

REMARKS  
CAUTION - FOB EXCEEDS  
OFP BLOCK FUEL BY 1800  
LB

KMIA 08R 10506  
MTOW 250.6 SMRGN 5659  
FLAPS 5 PACKS ON  
ATM 64C V1 124  
THR D-TO VR 129  
N1 98.6 V2 136  
CG 20.8 R40 167  
R80 207  
DT H094 ACCEL 1000

KMIA 09 13016  
MTOW 250.6 SMRGN 7906  
FLAPS 5 PACKS ON  
ATM 64C V1 124  
THR D-TO VR 129  
N1 98.6 V2 136  
CG 20.8 R40 167  
R80 207  
DT H094 ACCEL 1000

2D59

**KMIA D-ATIS Request**

QU ANPOC5Y  
.QXSXMXS 231614  
RAI  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231614 L24A  
- TI2/024KMIADA7FA

**Departure message (OUT)**

QU ANPOC5Y  
.QXSXMXS 231614  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231614 M90A  
- 1001 OUTRP 3591/23 KMIA/KIAH .N1217A  
/OUT 1614/FOB 0390/PLD 025933/BRD 003231/UNT US GALS /TYP A



**Uplink KMIA D-ATIS**

QU QXSXMXS  
.ATS5YXA 231614  
DAI  
AN N1217A  
- /ATS5YXA.TI2/KMIA DEP ATIS P  
1553Z MIA DEP INFO P 1553Z.  
13016G21KT 10SM SCT021  
BKN039 BKN075 28/23  
A3018 (THREE ZERO ONE  
EIGHT) RMK AO2 SLP218.  
DEPG RWYS 8L, 8R, 9, 12.  
RNAV DEP WILL BE  
ASSIGNED HDG. NOTAMS...  
TWY S CLSD BTN TWY S1  
AND TWY S3. TWY A A  
CLSD. RWY 8R MALSR OTS.  
NUMEROUS CRANES VCNTY  
APRT. CHECK CURRENT  
NOTAMS.. BIRD ACTIVITY  
VICINITY ARPT. ALL ACFT  
READ BACK ALL HOLD SHRT  
INSTRUCTIONS AND  
ASSIGNED ALT. ...ADVS  
YOU HAVE INFO P.  
0C01

**Departure message (OFF)**

QU ANPOC5Y  
.QXSXMXS 231633  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231633 M91A  
- 1101 OFFRP 3591/23 KMIA/KIAH .N1217A  
/OUT 1614/OFF 1633/FOB 0346/ETA 1856

**Engine Report (Takeoff report)**

QU ANPOC5Y  
.QXSXMXS 231634  
DFD  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231634 D19A  
- TAKE OFF REPORT

AID:N1217A DA:23/02 GMT:16:33 FNO: 352 ISFC: 924  
TAT: 260 SAT: 215 ALT: 1652 MACH:0268 FCNT: 1361  
GW:249560 FLT:3504-5 MODE:TOFF SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	1010	1010
N2	1050	1044
EGT	825	842

FF	17664	18144
TLA	740	737
OIP	60	61
OIT	99	102
OIQ	154	157
VIB FAN	09	14
VIB LPT	04	06
VIB N2	11	05
PS3	3855	3805
PS14	1908	1892
P25	3309	3319
P49	926	926
T3	547	546
T5	560	555
T25	115	114
VBV	05	00
VSV	840	824
FMV	723	735
LPTCC	00	00
HPTCC	98	01
ESCV	OPN	OPN
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	LO	LO
WAI	OFF	
CAI	OFF	OFF

**ACARS Media Advisory**

QU ANPOC5Y  
 .QXSXMXS 231641  
 MED  
 FI 5Y3591/AN N1217A  
 DT QXS MIAA 231641 M92A  
 - 0LS164144V

**ACARS Media Advisory**

QU DDLIRXA  
 .DDLXCXA 231642  
 MED  
 FI 5Y3591/AN N1217A  
 DT DDL XXN 231642 M93A  
 - 0ES164219VS

**Free text downlink to Dispatch**

QU ANPOC5Y  
 .QXSXMXS 231642  
 A80  
 FI 5Y3591/AN N1217A  
 DT QXS MIAA 231642 M94A  
 - 3J01 DSPTCH 3591/23 KMIA/KIAH .N1217A

/POS N26050W080376/FOB 0334  
38.3  
3 SOBS  
GD WKND

**Media Advisory**

QU ANPOC5Y  
.QXSXMXS 231704  
MED  
FI 5Y3591/AN N1217A  
DT QXS SRQ1 231704 M95A  
- OLS170359V

**Engine Report (Stable Cruise Report)**

QU ANPOC5Y  
.QXSXMXS 231710  
DFD  
FI 5Y3591/AN N1217A  
DT QXS SRQ1 231710 D20A  
- STABLE CRUISE REPORT

AID:N1217A DA:23/02 GMT:17:09 FNO: 880 ISFC: 3037  
TAT:-288 SAT: -570 ALT: 40008 MACH:0807 FCNT: 1361  
GW:241560 FLT:3504-5 MODE:SCR1 SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	894	894
N2	958	959
EGT	616	612
FF	3904	3968
TLA	622	622
OIP	52	51
OIT	119	118
OIQ	168	167
VIB FAN	10	06
VIB LPT	01	01
VIB N2	06	07
DP	30	30
PS3	1030	1030
PS14	527	534
P25	925	931
P49	243	244
T3	399	401
T5	355	384
T25	44	43
VBV	05	1279
VSV	769	780
FMV	279	281
LPTCC	00	00
HPTCC	378	539
ESCV	CLS	CLS
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF

BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	HI	HI
WAI	OFF	
CAI	OFF	OFF
GEN LOAD	27	25
FUEL USED	-----	

MACH	0807
CAS	2445
TAT	-288
ALT	40008
GS FMC	::::
LAT IRS	N27
LONGIRS	W 83
T/HDG	-798
DA IRS	38
T/TA	-----
IVV IRS	16
INIT GW	250800
APU OPE TIME	28

**D-ATIS Request KIAH**

QU ANPOC5Y  
.QXSXMXS 231715  
RAI  
FI 5Y3591/AN N1217A  
DT QXS SRQ1 231715 L25A  
- TI2/024KIAHA2E97

**Uplink KIAH D-ATIS**

QU QXSXMXS  
.ATS5YXA 231715  
DAI  
AN N1217A  
- /ATS5YXA.TI2/KIAH ARR ATIS P  
1713Z IAH ATIS INFO P 1713Z  
SPECIAL. 32018G24KT 8SM  
BR SCT016 BKN020 BKN029  
19/12 A2991 (TWO NINER  
NINER ONE) RMK AO2 PK  
WND 33029/1701 WSHFT  
1653 RAB01E13 VCSH SE-S.  
ARRIVALS EXPECT ILS RY  
26L, ILS OR RNAV Y RY  
26R. SIMUL APPROACHES IN  
USE. DEPG RY 27.  
NOTAMS... UNITED RAMP  
CONTROL IN EFFECT. CDR  
CODED DEPARTURE ROUTES  
IN EFFECT. RY 15L, 33R  
CLSD. ALL RWY COND CODES  
, 5 , 5 , 5 AT 1010Z.

HAZD WX INFO FOR IAH  
AREA AVBL FM HIWAS OR  
FSS. WIND SHEAR ADZYS IN  
EFCT. BIRD ACTIVITY  
VICINITY ARPT. TWY NE  
CLSD BTN RWY 8L AND TWY  
FC .. TRANSPONDERS ON.  
...ADVS YOU HAVE INFO P.  
CD3B

**D-ATIS Request KIAH**

QU ANPOC5Y  
.QXSXMXS 231730  
RAI  
FI 5Y3591/AN N1217A  
DT QXS PNS1 231730 L26A  
- TI2/024KIAHA2E97

**Uplink KIAH D-ATIS**

QU QXSXMXS  
.ATS5YXA 231730  
DAI  
AN N1217A  
- /ATS5YXA.TI2/KIAH ARR ATIS P  
1713Z IAH ATIS INFO P 1713Z  
SPECIAL. 32018G24KT 8SM  
BR SCT016 BKN020 BKN029  
19/12 A2991 (TWO NINER  
NINER ONE) RMK AO2 PK  
WND 33029/1701 WSHFT  
1653 RAB01E13 VCSH SE-S.  
ARRIVALS EXPECT ILS RY  
26L, ILS OR RNAV Y RY  
26R. SIMUL APPROACHES IN  
USE. DEPG RY 27.  
NOTAMS... UNITED RAMP  
CONTROL IN EFFECT. CDR  
CODED DEPARTURE ROUTES  
IN EFFECT. RY 15L, 33R  
CLSD. ALL RWY COND CODES  
, 5 , 5 , 5 AT 1010Z.  
HAZD WX INFO FOR IAH  
AREA AVBL FM HIWAS OR  
FSS. WIND SHEAR ADZYS IN  
EFCT. BIRD ACTIVITY  
VICINITY ARPT. TWY NE  
CLSD BTN RWY 8L AND TWY  
FC .. TRANSPONDERS ON.  
...ADVS YOU HAVE INFO P.  
CD3B

**ACARS Message assurance**

QU DDLIRXA  
.QXSXMXS 231745  
MAS  
AN N1217A/FI 5Y3591/MA 258S  
DT QXS PNS1 231745 S08A

**Crew requesting KIAH Runway list from AeroData**

QU ANPOC5Y  
.QXSXMXS 231745  
M34  
FI 5Y3591/AN N1217A  
DT QXS PNS1 231745 M97A  
- 207,C,1,23,KMIA,KIAH,,C21C

**AeroData KIAH Runway uplink**

QU ANPOC5Y  
.PERFF5Y 231745  
M36  
AN N1217A/FI 5Y3591  
- 1  
\*08L 9000>  
\*08R 9402>  
\*09 10000  
\*15R 9999  
\*26L 9402  
\*26R 9000  
\*27 10000  
\*33L 9999  
FBA9

**D-ATIS Request KIAH**

QU ANPOC5Y  
.QXSXMXS 231801  
RAI  
FI 5Y3591/AN N1217A  
DT QXS MSY1 231801 L27A  
- TI2/024KIAHA2E97

**Uplink KIAH D-ATIS**

QU QXSXMXS  
.ATS5YXA 231801  
DAI  
AN N1217A  
- /ATS5YXA.TI2/KIAH ARR ATIS S  
1753Z IAH ATIS INFO S 1753Z.  
32014KT 9SM FEW020  
SCT033 BKN060 21/12  
A2992 (TWO NINER NINER  
TWO). ARRIVALS EXPECT  
ILS RY 26L, ILS OR RNAV  
Y RY 26R. SIMUL  
APPROACHES IN USE. DEPG

RY 26L, RY 27. NOTAMS...  
 UNITED RAMP CONTROL IN  
 EFFECT. CDR CODED  
 DEPARTURE ROUTES IN  
 EFFECT. RY 15L, 33R  
 CLSD. ALL RWY COND CODES  
 , 5 , 5 , 5 AT 1010Z.  
 HAZD WX INFO FOR IAH  
 AREA AVBL FM HIWAS OR  
 FSS. BIRD ACTIVITY  
 VICINITY ARPT. TWY NE  
 CLSD BTN RWY 8L AND TWY  
 FC .. TRANSPONDERS ON.  
 ...ADVS YOU HAVE INFO S.  
 D181

**Crew requesting AeroData Landing data**

QU ANPOC5Y  
 .QXSXMXS 231804  
 M33  
 FI 5Y3591/AN N1217A  
 DT QXS BTR1 231804 M98A  
 - 207,C,23,KMIA,KIAH,26L/,26R/,0,0,320,14,,+21,2992,1,0,0,0,0,0,230.1,8186

**AeroData Takeoff data**

QU ANPOC5Y  
 .PERFF5Y 231804  
 M33  
 AN N1217A/FI 5Y3591  
 - FLT NO LDW TIME  
 3591 230.1 1804Z  
 WIND KTS OAT C QNH  
 320/14 +21 29.92  
 -----

REMARKS  
 NONE

KIAH 26L 9402  
 PACKS ON 0.02  
 MRLW/LIM AUTOBRAKE  
 418.8/A 2 6420FT  
 LDW 3 5837FT  
 230.1 4 5127FT  
 FLAPS MAX 5055FT  
 25 MAX MANUAL  
 3399FT  
 KIAH 26R 9000

PACKS ON -0.04  
MRLW/LIM AUTOBRAKE  
418.8/A 2 6425FT  
LDW 3 5837FT  
230.1 4 5127FT  
FLAPS MAX 5055FT  
25 MAX MANUAL  
3401FT

8582

**ACARS Message assurance**

QU DDLIRXA  
.QXSXMXS 231805  
MAS  
AN N1217A/FI 5Y3591/MA 275S  
DT QXS BTR1 231805 S15A

**Engine Report (Stable Cruise Report)**

QU ANPOC5Y  
.QXSXMXS 231808  
DFD  
FI 5Y3591/AN N1217A  
DT QXS MSY1 231808 D21A  
- STABLE CRUISE REPORT

AID:N1217A DA:23/02 GMT:17:09 FNO: 880 ISFC: 3037  
TAT:-288 SAT: -570 ALT: 40008 MACH:0807 FCNT: 1361  
GW:241560 FLT:3504-5 MODE:SCR1 SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	894	894
N2	958	959
EGT	616	612
FF	3904	3968
TLA	622	622
OIP	52	51
OIT	119	118
OIQ	168	167
VIB FAN	10	06
VIB LPT	01	01
VIB N2	06	07
DP	30	30
PS3	1030	1030
PS14	527	534
P25	925	931
P49	243	244
T3	399	401
T5	355	384
T25	44	43
VBV	05	1279
VSV	769	780
FMV	279	281



LPTCC	00	00
HPTCC	378	539
ESCV	CLS	CLS
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	HI	HI
WAI	OFF	
CAI	OFF	OFF
GEN LOAD	27	25
FUEL USED	-----	

MACH	0807
CAS	2445
TAT	-288
ALT	40008
GS FMC	::::
LAT IRS	N27
LONGIRS	W 83
T/HDG	-798
DA IRS	38
T/TA	-----
IVV IRS	16
INIT GW	250800
APU OPE TIME	28

**KIAH D-ATIS Request**

QU ANPOC5Y  
.QXSXMXS 231836  
RAI  
FI 5Y3591/AN N1217A  
DT QXS EFD1 231836 L28A  
- TI2/024KIAHA2E97

**Uplink KIAH D-ATIS**

QU QXSXMXS  
.ATS5YXA 231836  
DAI  
AN N1217A  
- /ATS5YXA.TI2/KIAH ARR ATIS T  
1802Z IAH ATIS INFO T 1802Z  
SPECIAL. 32017G21KT 10SM  
FEW035 SCT060 BKN080  
BKN250 22/12 A2991 (TWO  
NINER NINER ONE).  
ARRIVALS EXPECT ILS RY  
26L, ILS OR RNAV Y RY  
26R. SIMUL APPROACHES IN  
USE. DEPG RY 26L, RY 27.  
NOTAMS... UNITED RAMP  
CONTROL IN EFFECT. CDR  
CODED DEPARTURE ROUTES

IN EFFECT. RY 15L, 33R  
CLSD. ALL RWY COND CODES  
, 5 , 5 , 5 AT 1010Z.  
HAZD WX INFO FOR IAH  
AREA AVBL FM HIWAS OR  
FSS. BIRD ACTIVITY  
VICINITY ARPT. TWY NE  
CLSD BTN RWY 8L AND TWY  
FC .. TRANSPONDERS ON.  
...ADVS YOU HAVE INFO T.  
6D7F

**Engine Report**

QU ANPOC5Y  
.QXSXMXS 231839  
DFD  
FI 5Y3591/AN N1217A  
DT QXS EFD1 231839 D22A  
- TURN1217A2302183837 2192223 209 61521361038923076035045DESCA1A39  
707000707000 125KONT 1 288 151 119 -16 81 46 14 06-0192---  
0N2982W 9486 39624226965 20 18 09 40 -05100

**Dispatch message uplink for crew**

PLS COFIRM STATUS....R U OK DISP D.G.

**From:** [REDACTED]  
**To:** [Gerber, Dennis](#)  
**Subject:** OpCenter Report: N1217A  
**Date:** Saturday, February 23, 2019 3:03:02 PM

---

Report: N1217A  
Generated: Feb 23 2019 20:02

1.

----

Time:  
02/23 1924z

SMI:  
SVC

Description:  
Service

Flight:  
No Value

Tail:  
No Value

Dep:  
No Value

Arr:  
No Value

DSP ID:  
No Value

Freetext:  
- UP INTERCEPT NO STATION TO 231

QU DDLIRXA  
.ANPOC5Y 231922  
CMD  
AN N1217A  
- QUANPOC5Y~1  
PLS COFIRM STATUS....R U OK DISP D.G.

Raw Message:  
QU ANPOC5Y  
.DDLIRXA 231924  
SVC  
- UP INTERCEPT NO STATION TO 231

QU DDLIRXA  
.ANPOC5Y 231922  
CMD

AN N1217A  
- QUANPOC5Y~1  
PLS COFIRM STATUS....R U OK DISP D.G.

2.

----

Time:  
02/23 1839z

SMI:  
DFD

Description:  
Engine Report

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
- TURN1217A2302183837 2192223 209 61521361038923076035045DESCA1A39  
707000707000 125KONT 1 288 151 119 -16 81 46 14 06-0192---  
0N2982W 9486 39624226965 20 18 09 40 -05100

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231839  
DFD  
FI 5Y3591/AN N1217A  
DT QXS EFD1 231839 D22A  
- TURN1217A2302183837 2192223 209 61521361038923076035045DESCA1A39  
707000707000 125KONT 1 288 151 119 -16 81 46 14 06-0192---  
0N2982W 9486 39624226965 20 18 09 40 -05100

3.

----

Time:  
02/23 1836z

SMI:  
RAI

Description:  
D-ATIS Request

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
No Value

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231836  
RAI  
FI 5Y3591/AN N1217A  
DT QXS EFD1 231836 L28A  
- TI2/024KIAHA2E97

4.  
----

Time:  
02/23 1808z

SMI:  
DFD

Description:  
Engine Report

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:

- STABLE CRUISE REPORT

AID:N1217A DA:23/02 GMT:17:09 FNO: 880 ISFC: 3037  
TAT:-288 SAT: -570 ALT: 40008 MACH:0807 FCNT: 1361  
GW:241560 FLT:3504-5 MODE:SCR1 SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	894	894
N2	958	959
EGT	616	612
FF	3904	3968
TLA	622	622
OIP	52	51
OIT	119	118
OIQ	168	167
VIB FAN	10	06
VIB LPT	01	01
VIB N2	06	07
DP	30	30
PS3	1030	1030
PS14	527	534
P25	925	931
P49	243	244
T3	399	401
T5	355	384
T25	44	43
VBV	05	1279
VSV	769	780
FMV	279	281
LPTCC	00	00
HPTCC	378	539
ESCV	CLS	CLS
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	HI	HI
WAI	OFF	
CAI	OFF	OFF
GEN LOAD	27	25
FUEL USED	----	

MACH	0807
CAS	2445
TAT	-288
ALT	40008
GS FMC	::::
LAT IRS	N27
LONGIRS	W 83
T/HDG	-798
DA IRS	38
T/TA	----

IVV IRS 16  
INIT GW 250800  
APU OPE TIME 28

Raw Message:

QU ANPOC5Y  
.QXSXMXS 231808  
DFD  
FI 5Y3591/AN N1217A  
DT QXS MSY1 231808 D21A  
- STABLE CRUISE REPORT

AID:N1217A DA:23/02 GMT:17:09 FNO: 880 ISFC: 3037  
TAT:-288 SAT: -570 ALT: 40008 MACH:0807 FCNT: 1361  
GW:241560 FLT:3504-5 MODE:SCR1 SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	894	894
N2	958	959
EGT	616	612
FF	3904	3968
TLA	622	622
OIP	52	51
OIT	119	118
OIQ	168	167
VIB FAN	10	06
VIB LPT	01	01
VIB N2	06	07
DP	30	30
PS3	1030	1030
PS14	527	534
P25	925	931
P49	243	244
T3	399	401
T5	355	384
T25	44	43
VBV	05	1279
VSV	769	780
FMV	279	281
LPTCC	00	00
HPTCC	378	539
ESCV	CLS	CLS
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	HI	HI
WAI	OFF	
CAI	OFF	OFF
GEN LOAD	27	25
FUEL USED	----	

MACH 0807

CAS 2445  
TAT -288  
ALT 40008  
GS FMC :::  
LAT IRS N27  
LONGIRS W 83  
T/HDG -798  
DA IRS 38  
T/TA -----  
IVV IRS 16  
INIT GW 250800  
APU OPE TIME 28

5.

----

Time:  
02/23 1804z

SMI:  
M33

Description:  
AeroData\_Landing Data

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
No Value

Freetext:  
- FLT NO LDW TIME  
3591 230.1 1804Z  
WIND KTS OAT C QNH  
320/14 +21 29.92  
-----

REMARKS  
NONE



KIAH 26L 9402  
PACKS ON 0.02  
MRLW/LIM AUTOBRAKE  
418.8/A 2 6420FT  
LDW 3 5837FT  
230.1 4 5127FT  
FLAPS MAX 5055FT  
25 MAX MANUAL  
3399FT

KIAH 26R 9000  
PACKS ON -0.04  
MRLW/LIM AUTOBRAKE  
418.8/A 2 6425FT  
LDW 3 5837FT  
230.1 4 5127FT  
FLAPS MAX 5055FT  
25 MAX MANUAL  
3401FT

8582

Raw Message:

QU ANPOC5Y  
.PERFF5Y 231804  
M33  
AN N1217A/FI 5Y3591  
- FLT NO LDW TIME  
3591 230.1 1804Z  
WIND KTS OAT C QNH  
320/14 +21 29.92  
-----

REMARKS

NONE

KIAH 26L 9402  
PACKS ON 0.02  
MRLW/LIM AUTOBRAKE  
418.8/A 2 6420FT  
LDW 3 5837FT

230.1 4 5127FT  
FLAPS MAX 5055FT  
25 MAX MANUAL  
3399FT

KIAH 26R 9000  
PACKS ON -0.04  
MRLW/LIM AUTOBRAKE  
418.8/A 2 6425FT  
LDW 3 5837FT  
230.1 4 5127FT  
FLAPS MAX 5055FT  
25 MAX MANUAL  
3401FT

8582

6.  
----

Time:  
02/23 1804z

SMI:  
M33

Description:  
AeroData\_Landing Data

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
- 207,C,23,KMIA,KIAH,26L/,26R/,0,0,320,14,,+21,2992,1,0,0,0,0,230.1,8186

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231804  
M33  
FI 5Y3591/AN N1217A  
DT QXS BTR1 231804 M98A  
- 207,C,23,KMIA,KIAH,26L/,26R/,0,0,320,14,,+21,2992,1,0,0,0,0,230.1,8186

7.

----

Time:

02/23 1801z

SMI:

RAI

Description:

D-ATIS Request

Flight:

5Y3591

Tail:

N1217A

Dep:

No Value

Arr:

No Value

DSP ID:

QXS

Freetext:

No Value

Raw Message:

QU ANPOC5Y

.QXSXMXS 231801

RAI

FI 5Y3591/AN N1217A

DT QXS MSY1 231801 L27A

- TI2/024KIAHA2E97

8.

----

Time:

02/23 1745z

SMI:

M36

Description:

M36 Downlink

Flight:

5Y3591

Tail:

N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
No Value

Freetext:

- 1  
\*08L 9000>  
\*08R 9402>  
\*09 10000  
\*15R 9999  
\*26L 9402  
\*26R 9000  
\*27 10000  
\*33L 9999  
FBA9

Raw Message:

QU ANPOC5Y  
.PERFF5Y 231745  
M36  
AN N1217A/FI 5Y3591  
- 1  
\*08L 9000>  
\*08R 9402>  
\*09 10000  
\*15R 9999  
\*26L 9402  
\*26R 9000  
\*27 10000  
\*33L 9999  
FBA9

9.  
----

Time:  
02/23 1745z

SMI:  
M34

Description:  
AeroData\_Takeoff\_Data\_Request

Flight:  
5Y3591

Tail:  
N1217A

Dep:

No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
- 207,C,1,23,KMIA,KIAH,,C21C

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231745  
M34  
FI 5Y3591/AN N1217A  
DT QXS PNS1 231745 M97A  
- 207,C,1,23,KMIA,KIAH,,C21C

10.  
----

Time:  
02/23 1730z

SMI:  
RAI

Description:  
D-ATIS Request

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
No Value

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231730  
RAI  
FI 5Y3591/AN N1217A  
DT QXS PNS1 231730 L26A  
- TI2/024KIAHA2E97

11.

----

Time:

02/23 1715z

SMI:

RAI

Description:

D-ATIS Request

Flight:

5Y3591

Tail:

N1217A

Dep:

No Value

Arr:

No Value

DSP ID:

QXS

Freetext:

No Value

Raw Message:

QU ANPOC5Y

.QXSXMXS 231715

RAI

FI 5Y3591/AN N1217A

DT QXS SRQ1 231715 L25A

- TI2/024KIAHA2E97

12.

----

Time:

02/23 1710z

SMI:

DFD

Description:

Engine Report

Flight:

5Y3591

Tail:

N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
- STABLE CRUISE REPORT

AID:N1217A DA:23/02 GMT:17:09 FNO: 880 ISFC: 3037  
TAT:-288 SAT: -570 ALT: 40008 MACH:0807 FCNT: 1361  
GW:241560 FLT:3504-5 MODE:SCR1 SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	894	894
N2	958	959
EGT	616	612
FF	3904	3968
TLA	622	622
OIP	52	51
OIT	119	118
OIQ	168	167
VIB FAN	10	06
VIB LPT	01	01
VIB N2	06	07
DP	30	30
PS3	1030	1030
PS14	527	534
P25	925	931
P49	243	244
T3	399	401
T5	355	384
T25	44	43
VBV	05	1279
VSV	769	780
FMV	279	281
LPTCC	00	00
HPTCC	378	539
ESCV	CLS	CLS
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	HI	HI
WAI	OFF	
CAI	OFF	OFF
GEN LOAD	27	25
FUEL USED	----	

MACH 0807  
CAS 2445  
TAT -288  
ALT 40008  
GS FMC :::  
LAT IRS N27  
LONGIRS W 83  
T/HDG -798  
DA IRS 38  
T/TA ----  
IVV IRS 16  
INIT GW 250800  
APU OPE TIME 28

Raw Message:

QU ANPOC5Y  
.QXSXMXS 231710  
DFD  
FI 5Y3591/AN N1217A  
DT QXS SRQ1 231710 D20A  
- STABLE CRUISE REPORT

AID:N1217A DA:23/02 GMT:17:09 FNO: 880 ISFC: 3037  
TAT:-288 SAT: -570 ALT: 40008 MACH:0807 FCNT: 1361  
GW:241560 FLT:3504-5 MODE:SCR1 SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	894	894
N2	958	959
EGT	616	612
FF	3904	3968
TLA	622	622
OIP	52	51
OIT	119	118
OIQ	168	167
VIB FAN	10	06
VIB LPT	01	01
VIB N2	06	07
DP	30	30
PS3	1030	1030
PS14	527	534
P25	925	931
P49	243	244
T3	399	401
T5	355	384
T25	44	43
VBV	05	1279
VSV	769	780
FMV	279	281
LPTCC	00	00
HPTCC	378	539
ESCV	CLS	CLS
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF



BLDV      OPN    OPN  
HPV      OK     OK  
ISOV      CLS    CLS  
ECS      HI     HI  
WAI      OFF  
CAI      OFF    OFF  
GEN LOAD    27    25  
FUEL USED   ----

MACH        0807  
CAS        2445  
TAT        -288  
ALT        40008  
GS FMC      :::  
LAT IRS     N27  
LONGIRS    W 83  
T/HDG      -798  
DA IRS     38  
T/TA       ----  
IVV IRS    16  
INIT GW    250800  
APU OPE TIME   28

13.  
----

Time:  
02/23 1704z

SMI:  
MED

Description:  
Media Advisory

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
No Value

Raw Message:  
QU ANPOC5Y

.QXSXMXS 231704  
MED  
FI 5Y3591/AN N1217A  
DT QXS SRQ1 231704 M95A  
- OLS170359V

14.

----

Time:  
02/23 1642z

SMI:  
A80

Description:  
Dispatch Report

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
- 3J01 DSPTCH 3591/23 KMIA/KIAH .N1217A  
/POS N26050W080376/FOB 0334  
38.3  
3 SOBS  
GD WKND

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231642  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIAA 231642 M94A  
- 3J01 DSPTCH 3591/23 KMIA/KIAH .N1217A  
/POS N26050W080376/FOB 0334  
38.3  
3 SOBS  
GD WKND

15.

----

Time:  
02/23 1641z

SMI:  
MED

Description:  
Media Advisory

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
No Value

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231641  
MED  
FI 5Y3591/AN N1217A  
DT QXS MIAA 231641 M92A  
- 0LS164144V

16.  
----

Time:  
02/23 1634z

SMI:  
DFD

Description:  
Engine Report

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
- TAKE OFF REPORT

AID:N1217A DA:23/02 GMT:16:33 FNO:352 ISFC:924  
TAT:260 SAT:215 ALT:1652 MACH:0268 FCNT:1361  
GW:249560 FLT:3504-5 MODE:TOFF SID:A39-A1  
S/N L:707000 DEP:KONT DEST:1  
S/N R:707000

	ENG L	ENG R
N1	1010	1010
N2	1050	1044
EGT	825	842
FF	17664	18144
TLA	740	737
OIP	60	61
OIT	99	102
OIQ	154	157
VIB FAN	09	14
VIB LPT	04	06
VIB N2	11	05
PS3	3855	3805
PS14	1908	1892
P25	3309	3319
P49	926	926
T3	547	546
T5	560	555
T25	115	114
VBV	05	00
VSV	840	824
FMV	723	735
LPTCC	00	00
HPTCC	98	01
ESCV	OPN	OPN
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	LO	LO
WAI	OFF	
CAI	OFF	OFF

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231634  
DFD  
FI 5Y3591/AN N1217A  
DT QXS MIA1 231634 D19A  
- TAKE OFF REPORT

AID:N1217A DA:23/02 GMT:16:33 FNO: 352 ISFC: 924  
TAT: 260 SAT: 215 ALT: 1652 MACH:0268 FCNT: 1361  
GW:249560 FLT:3504-5 MODE:TOFF SID:A39 -A1  
S/N L:707000 DEP:KONT DEST: 1  
S/N R:707000

	ENG L	ENG R
N1	1010	1010
N2	1050	1044
EGT	825	842
FF	17664	18144
TLA	740	737
OIP	60	61
OIT	99	102
OIQ	154	157
VIB FAN	09	14
VIB LPT	04	06
VIB N2	11	05
PS3	3855	3805
PS14	1908	1892
P25	3309	3319
P49	926	926
T3	547	546
T5	560	555
T25	115	114
VBV	05	00
VSV	840	824
FMV	723	735
LPTCC	00	00
HPTCC	98	01
ESCV	OPN	OPN
BCV	000	000
IGN1/2	OFF/OFF	OFF/OFF
BLDV	OPN	OPN
HPV	OK	OK
ISOV	CLS	CLS
ECS	LO	LO
WAI	OFF	
CAI	OFF	OFF

17.

----

Time:  
02/23 1633z

SMI:  
A80

Description:  
Departure (OFF)

Flight:  
5Y3591

Tail:

N1217A

Dep:  
KMIA

Arr:  
KIAH

DSP ID:  
QXS

Freetext:  
- 1101 OFFRP 3591/23 KMIA/KIAH .N1217A  
/OUT 1614/OFF 1633/FOB 0346/ETA 1856

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231633  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231633 M91A  
- 1101 OFFRP 3591/23 KMIA/KIAH .N1217A  
/OUT 1614/OFF 1633/FOB 0346/ETA 1856

18.  
----

Time:  
02/23 1614z

SMI:  
A80

Description:  
Departure (OUT)

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
KMIA

Arr:  
KIAH

DSP ID:  
QXS

Freetext:  
- 1001 OUTRP 3591/23 KMIA/KIAH .N1217A  
/OUT 1614/FOB 0390/PLD 025933/BRD 003231/UNT US GALS /TYP A

Raw Message:

QU ANPOC5Y  
.QXSXMXS 231614  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231614 M90A  
- 1001 OUTRP 3591/23 KMIA/KIAH .N1217A  
/OUT 1614/FOB 0390/PLD 025933/BRD 003231/UNT US GAL5 /TYP A

19.

----

Time:  
02/23 1614z

SMI:  
RAI

Description:  
D-ATIS Request

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
QXS

Freetext:  
No Value

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231614  
RAI  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231614 L24A  
- TI2/024KMIADA7FA

20.

----

Time:  
02/23 1603z

SMI:  
M31

Description:  
AeroData\_Takeoff\_Data

Flight:  
5Y3591

Tail:  
N1217A

Dep:  
No Value

Arr:  
No Value

DSP ID:  
No Value

Freetext:  
- 211.6  
016.9

KMIA CF680C2B6F  
FLT NO RLS NO TIME  
3591 8 1603Z  
WIND KTS OAT C QNH  
110/14 +27 30.18

-----  
GRWT 250.6 VREF30 127  
FUEL 39.0  
ZFW 211.6

REMARKS  
CAUTION - FOB EXCEEDS  
OPF BLOCK FUEL BY 1800  
LB

KMIA 08R 10506  
MTOW 250.6 SMRGN 5659  
FLAPS 5 PACKS ON  
ATM 64C V1 124  
THR D-TO VR 129  
N1 98.6 V2 136  
CG 20.8 R40 167  
R80 207  
DT H094 ACCEL 1000

KMIA 09 13016  
MTOW 250.6 SMRGN 7906  
FLAPS 5 PACKS ON  
ATM 64C V1 124  
THR D-TO VR 129



N1 98.6 V2 136  
CG 20.8 R40 167  
R80 207  
DT H094 ACCEL 1000

2D59

Raw Message:

QU ANPOC5Y  
.PERFF5Y 231603  
M31  
AN N1217A/FI 5Y3591  
- 211.6  
016.9

KMIA CF680C2B6F  
FLT NO RLS NO TIME  
3591 8 1603Z  
WIND KTS OAT C QNH  
110/14 +27 30.18

-----  
GRWT 250.6 VREF30 127  
FUEL 39.0  
ZFW 211.6

REMARKS

CAUTION - FOB EXCEEDS  
OPF BLOCK FUEL BY 1800  
LB

KMIA 08R 10506  
MTOW 250.6 SMRGN 5659  
FLAPS 5 PACKS ON  
ATM 64C V1 124  
THR D-TO VR 129  
N1 98.6 V2 136  
CG 20.8 R40 167  
R80 207  
DT H094 ACCEL 1000

KMIA 09 13016  
MTOW 250.6 SMRGN 7906  
FLAPS 5 PACKS ON  
ATM 64C V1 124  
THR D-TO VR 129  
N1 98.6 V2 136  
CG 20.8 R40 167  
R80 207  
DT H094 ACCEL 1000

2D59

21.

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Time:

02/23 1603z

SMI:

M31

Description:

AeroData\_Takeoff\_Data

Flight:

5Y3591

Tail:

N1217A

Dep:

No Value

Arr:

No Value

DSP ID:

QXS

Freetext:

- 207,C,23,KMIA,KIAH,08R/,09/,/0,0,110,14,+27,3018,0,0,0,0,211.6,039.0,20.8,039.0,584F

Raw Message:

QU ANPOC5Y

.QXSXMXS 231603

M31

FI 5Y3591/AN N1217A

DT QXS MIA1 231603 M89A

- 207,C,23,KMIA,KIAH,08R/,09/,/0,0,110,14,+27,3018,0,0,0,0,211.6,039.0,20.8,039.0,584F

22.

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Time:

02/23 1602z

SMI:

A80

Description:

Auto Initialization Report

Flight:

5Y3591

Tail:

N1217A

Dep:  
KMIA

Arr:  
KIAH

DSP ID:  
QXS

Freetext:  
No Value

Raw Message:  
QU ANPOC5Y  
.QXSXMXS 231602  
A80  
FI 5Y3591/AN N1217A  
DT QXS MIA2 231602 M88A  
- 3G01 INIT 3591/23 KMIA/KIAH .N1217A 60X9Y