

TCI 2015 Test Flight – 24 June – Ellington Field, Houston, Texas – All times local (Central)

1835 – Test sonde (beacon) on hangar roof, airplane taxi starts; Final loadout is 12 active sondes, 4 with streamers, 44 dummy sondes; getting rear and forward facing camera images every 30 seconds (every 2-3 miles at altitude)

1840 – No GPS on payload, do have connectivity to dispenser

1845 – Have GPS on payload, payload not seeing beacon sonde; made new pre-mission rule, wanted connectivity with beacon sonde before takeoff

1852 – Extra test sonde put on flight line, YES seeing signal via remote kit in Massachusetts

1856 – Take off of WB-56

1901 – WC-130 take off

1948 – good comms check with WC-130

2008 – UH radiosonde was launched at 2356 Z

2016 – USAF commenced sonde drops

2021 – sonde drops commencing from WB-57, remote control from Ellington

2022 – second sonde

2023 – having problems dropping sondes from C lane at Ellington, able to from YES

2028 – ATC orders freq change to 132.65

2031 – all 12 active sondes dropped, dummy sondes being dropped

2037 – getting data streams from 12 sondes, 4 dummies dropped before exiting airspace, will turn back to airspace in a few minutes

2041 – turning in 2 minutes, 2 sondes still airborne, WC-130 RTB

2045 – commenced turn, all sondes splashed

2100 – back in airspace – recommencing dummy drop, carcah indicated 6 sondes from WC130 ARWO working up then CARCAH will distribute

2115 – CARCAH beginning to post USAF obs

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UZNT13 KNHC 250208

XXAA 75014 99285 70950 08285 99018 28050 // 00159 26642 12509

92844 22859 12005 85575 18860 12506 70216 09667 10510 50593 06958

04508 40764 16974 05011 88999 77999

31313 09608 80119

61616 AF306 WXWXA 150624235121306 OB 08

62626 LST WND 015 MBL WND 12508 AEV 07775 DLM WND 10506 016393 WL
150 11509 073 REL 2847N09503W 011950 SPG 2847N09505W 013025 =
XXBB 75018 99285 70950 08285 00018 28050 11958 23219 22923 22660
33850 18860 44804 16665 55740 12461 66723 11668 77694 09068 88676
07661 99668 07666 11658 07264 22630 04463 33616 03670 44583 01062
55565 00764 66555 01558 77510 06550 88478 08757 99472 08970 11456
10968 22445 11380 33428 13767 44393 18176
21212 00018 /////
11016 13008 22850 12506 33793 13010 44699 10510
55683 12010 66511 02010 77504 03510 88420 06010 99400 05011 11393
01508
31313 09608 80119
61616 AF306 WXWXA 150624235121306 OB 08
62626 LST WND 015 MBL WND 12508 AEV 07775 DLM WND 10506 016393 WL
150 11509 073 REL 2847N09503W 011950 SPG 2847N09505W 013025 =
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UZNT13 KNHC 250214
XXAA 75014 99282 70951 08285 99017 27843 11007 00154 26434 11509
92838 21842 11504 85570 18658 10007 70209 09263 13007 50592 07356
36010 40763 16780 07505 88999 77999
31313 09608 80123
61616 AF306 WXWXA 150624235121306 OB 09
62626 MBL WND 12008 AEV 07775 DLM WND 10506 017393 WL150 11508 08
4 REL 2816N09514W 012327 SPG 2816N09515W 013354 =
XXBB 75018 99282 70951 08285 00017 27843 11949 22622 22898 21259
33850 18658 44718 10259 55683 08274 66666 06461 77650 05666 88640
05261 99625 04269 11615 03261 22604 02261 33580 00868 44547 02558
55497 07556 66484 08558 77475 09171 88409 14975 99393 17984
21212 00017 11007 11992 11509 22914 12503 33850 10007 44738 13511
55666 11010 66649 12510 77515 35512 88393 01505
31313 09608 80123
61616 AF306 WXWXA 150624235121306 OB 09
62626 MBL WND 12008 AEV 07775 DLM WND 10506 017393 WL150 11508 08
4 REL 2816N09514W 012327 SPG 2816N09515W 013354 =
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UZNT13 KNHC 250202
XXAA 75014 99287 70950 08285 99018 28256 13008 00158 26846 13008
92844 23661 09507 85577 19262 11006 70218 10070 12013 50593 07550
05510 40764 16375 04509 88999 77999
31313 09608 80117
61616 AF306 WXWXA 150624235121306 OB 06
62626 MBL WND 13008 AEV 07775 DLM WND 10507 017393 WL150 13508 08
4 REL 2867N09495W 011729 SPG 2868N09497W 012756 =
XXBB 75018 99287 70950 08285 00018 28256 11973 24835 22945 24861
33850 19262 44831 18066 55804 16462 66788 16068 77768 14460 88721
11672 99688 09067 11676 08473 22667 07462 33628 03861 44605 02668
55583 00661 66558 01764 77545 03158 88502 07350 99493 07758 11473
09358 22466 09565 33446 11182 44437 12368 55393 17585
21212 00018 13008 11850 11006 22623 11510 33393 34505
31313 09608 80117

61616 AF306 WXWXA 150624235121306 OB 06
62626 MBL WND 13008 AEV 07775 DLM WND 10507 017393 WL150 13508 08
4 REL 2867N09495W 011729 SPG 2868N09497W 012756 =
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UZNT13 KNHC 250229
XXAA 75014 99279 70952 08275 99017 28250 12510 00147 27046 12508
92832 22456 13506 85564 19059 12009 70205 10264 12006 50592 07359
00509 40763 16587 08007 88999 77999
31313 09608 80126
61616 AF306 WXWXA 150624235121306 OB 11
62626 MBL WND 12508 AEV 07775 DLM WND 10505 016392 WL150 12508 08
4 REL 2785N09524W 012656 SPG 2785N09525W 013730 =
XXBB 75018 99279 70952 08275 00017 28250 11954 23225 22850 19059
33756 13058 44703 10468 55607 03062 66597 02667 77578 00872 88539
02759 99527 03766 11491 08560 22457 10384 33427 13969 44407 15175
55392 18187
21212 00017 12510 11918 12505 22850 12009 33784 10510 44725 13510
55664 10010 66532 02010 77519 36010 88392 04503
31313 09608 80126
61616 AF306 WXWXA 150624235121306 OB 11
62626 MBL WND 12508 AEV 07775 DLM WND 10505 016392 WL150 12508 08
4 REL 2785N09524W 012656 SPG 2785N09525W 013730 =

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UZNT13 KNHC 250234
XXAA 75024 99275 70954 08275 99018 28456 11512 00156 27047 11512
92841 21639 12509 85571 17850 10507 70209 09864 15009 50592 07367
02008 40763 16580 06508 88999 77999
31313 09608 80130
61616 AF306 WXWXA 150624235121306 OB 12
62626 MBL WND 12012 AEV 07775 DLM WND 11006 017393 WL150 11512 08
3 REL 2753N09535W 013039 SPG 2753N09537W 014116 =
XXBB 75028 99275 70954 08275 00018 28456 11966 24226 22902 20656
33850 17850 44795 14650 55736 11865 66724 11061 77665 07867 88647
06263 99629 05470 11607 02862 22592 01667 33535 02768 44486 08765
55469 10174 66455 11364 77408 14976 88393 18181
21212 00018 11512 11914 13010 22850 10507 33750 11510 44717 15010
55490 02510 66393 02507
31313 09608 80130
61616 AF306 WXWXA 150624235121306 OB 12
62626 MBL WND 12012 AEV 07775 DLM WND 11006 017393 WL150 11512 08
3 REL 2753N09535W 013039 SPG 2753N09537W 014116 =
;

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UZNT13 KNHC 250239
XXAA 75024 99272 70954 08275 99018 28256 12012 00158 26845 12512
92844 22656 12011 85575 17849 11010 70214 10062 13508 50593 07167
06009 40763 16575 06510 88999 77999
31313 09608 80134
61616 AF306 WXWXA 150624235121306 OB 13
62626 MBL WND 12512 AEV 07775 DLM WND 11008 017393 WL150 12511 08
4 REL 2720N09545W 013426 SPG 2720N09547W 014447 =
XXBB 75028 99272 70954 08275 00018 28256 11977 25036 22954 24258

33850 17849 44832 17259 55808 15860 66790 14456 77765 13457 88746
12865 99740 12460 11717 11464 22682 08660 33651 06265 44631 04660
55622 04065 66616 03460 77596 01860 88572 00666 99546 01773 11480
09564 22473 10169 33451 12159 44438 12968 55409 14773 66393 18180
21212 00018 12012 11992 13012 22850 11010 33721 14010 44487 04511
55402 07010 66393 03008
31313 09608 80134
61616 AF306 WXWXA 150624235121306 OB 13
62626 MBL WND 12512 AEV 07775 DLM WND 11008 017393 WL150 12511 08
4 REL 2720N09545W 013426 SPG 2720N09547W 014447 =
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From CARCAH chat on MTS re: USAF sonde

First temp drop out as OB 06. Drop was at 28.7N 95.0W at 0117Z.

Second temp drop out as OB 08. Drop was at 28.5N 95.0W at 0119Z.

Third temp drop out as OB 09. Drop was at 28.2N 95.1W at 0123Z.

Fourth temp drop out as OB 11. Drop was at 27.9N 95.2W at 0126Z.

Fifth temp drop out as OB 12. Drop was at 27.5N 95.4W at 0130Z.

Sixth and last temp drop out as OB 13. Drop was at 27.2N 95.4W at 0134Z.

Files at <http://www.nhc.noaa.gov/archive/recon/2015/REPNT3/?C=M;O=D>

2145 – WB-57 has completed 2 orbits SW of KEFD at ~50 nm, beacon sonde was transmitting from NASA hangar roof on 30 ft pole, beacon sonde removed from roof

2231 – WB-57 landed at Ellington. Will reprocess data tomorrow. Initial looks from HDSS on MTS were all from tail receiver due to software. Speculation by HDSS team that high ejection speeds of sondes and weak gluing may have caused compromise of some sondes