

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 3, 2010

For the Period: 11/04/2010 to 11/22/2010 (10-308 – 10-326)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 600-100

DSOT (1) 230-102

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 Howard, S. (3)
 Ludwig, R. (2)
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LEGEND: ∇ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = 7-Point BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

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 (16 – Dist/N: Paper Copies)
 09/08/10

ISSUE DATE: 11/11/10 15:44

| PDT: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 |
|--|-----------------------------------|---|----|----|----|----|----|----|----|----|----------------------------------|----|-----------------------------------|--------|----|----|----|----|----|----|---------------|----|----|--------------|---|
| THURSDAY NOVEMBER 4, 2010 308-309 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS | █ 1200 RTLT 32h 6m 30s | | | | | | | | | | | | █ 0000 RTLT 32h 6m 38s | | | | | | | | | | | | |
| RTLT: 32h 6m 20s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON | ----- TLC (SHORT-FORM) ----- | | | | | | | | | | | | | | | | | | | | | | | D/L - 0400 | |
| FDS MODE | | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | 2315 ----- 14 [D] ----- 0400 | | | | | | | | | | | | | | |
| | 40 .. | | | | | | | | | | ----- 10 | | | | | | | | | | ----- 40 | | | | |
| | ----- 60 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | 45 [D] ----- 1440 | | | | | | | | | | 0655 45 [D] | | | | |
| | ----- 40 | | | | | | | | | | ----- 40 | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | █ 1200 RTLT 26h 3m 40s | | | | | | | | | | | | █ 0000 RTLT 26h 3m 52s | | | | | | | | | | | | |
| RTLT: 26h 3m 30s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | ↓ 0936 TWNC ON - CCSA (REDUNDANT) | | | | | | | | | | | | ↓ 0952 TWNC ON - CCSB (REDUNDANT) | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | NOV 04 | | | | | | | | | | | | | NOV 05 | | | | | | | | | | | |

ISSUE DATE: 11/11/10 15:44

| PDT: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 |
|--|---|---|----|----|------------------------|----|----|----|----|------|----|----|----|------------------|----|----|----|----|----|----|----|----|----|---|------|
| FRIDAY NOVEMBER 5, 2010 309-310 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLT: 32h 6m 38s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON | | | | | █ 1200 RTLT 32h 6m 46s | | | | | | | | | ↓ 1950 AAI | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | 1600 | | | | 14 [D] | | | | | | | | | | | 0230 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLT: 26h 3m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | | | | | █ 1200 RTLT 26h 4m 2s | | | | | | | | | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | |
| VGR COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | | | | | | | | | | | | | | | | | | | | | | | | | |

ISSUE DATE: 11/11/10 15:44

| PDT: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | | | |
|---|---|---|----|----|----|----|----|----|----|----|----|----|----------------------|----|--------|----|----|----|----|----|----|----|----|---|---|--|--|--|
| SATURDAY NOVEMBER 6, 2010 310-311 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| S/C 31 INITIAL CONDITIONS | 1200 RTLT 32h 7m 4s | | | | | | | | | | | | 0000 RTLT 32h 7m 12s | | | | | | | | | | | | | | | |
| RTLT: 32h 6m 54s | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A077 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: HI | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0822 - 0822 PWS/RH | | | | | | | | | | | | 1029 TAPPOS 1206 | | | | | | | | | | | | | | | |
| | ↓ 0822 GS-4B 0822 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | 1200 RTLT 26h 4m 24s | | | | | | | | | | | | 0000 RTLT 26h 4m 36s | | | | | | | | | | | | | | | |
| RTLT: 26h 4m 14s | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: BASELINE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/.10/.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 0822 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| UTC: | NOV 06 | | | | | | | | | | | | | | NOV 07 | | | | | | | | | | | | | |

ISSUE DATE: 11/11/10 15:44

| PDT: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | |
|---|--|---|----|----|----|----|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|----|----|----|----|----|---|---|
| SUNDAY NOVEMBER 7, 2010 311-312 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLTL: 32h 7m 12s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF | █ 1200 RTLTL 32h 7m 20s | | | | | | | | | | | | █ 0000 RTLTL 32h 7m 28s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 40 · | | | | | | | | | | | | 2225 ----- 26 [D] ----- 0230 | | | | | | | | | | | | |
| | ----- 60 ----- 1515 ----- 63 [D] ----- 2025 | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | |
| 32 DSN COVERAGE | 45 [D] ----- 1030 | | | | | | | | | | | | 1215 ----- 43 [D] ----- 1600 | | | | | | | | | | | | |
| | ----- 40 ----- | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 26h 4m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF | █ 1200 RTLTL 26h 4m 46s | | | | | | | | | | | | █ 0000 RTLTL 26h 4m 56s | | | | | | | | | | | | |
| FDS MODE | CR-5T | | | | | | | | | | | | CR-5T | | | | | | | | | | | | |
| XB DATA RATE(MI) | 160(32) | | | | | | | | | | | | 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | ON CALL | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | NOV 07 | | | | | | | | | | | | NOV 08 | | | | | | | | | | | | |

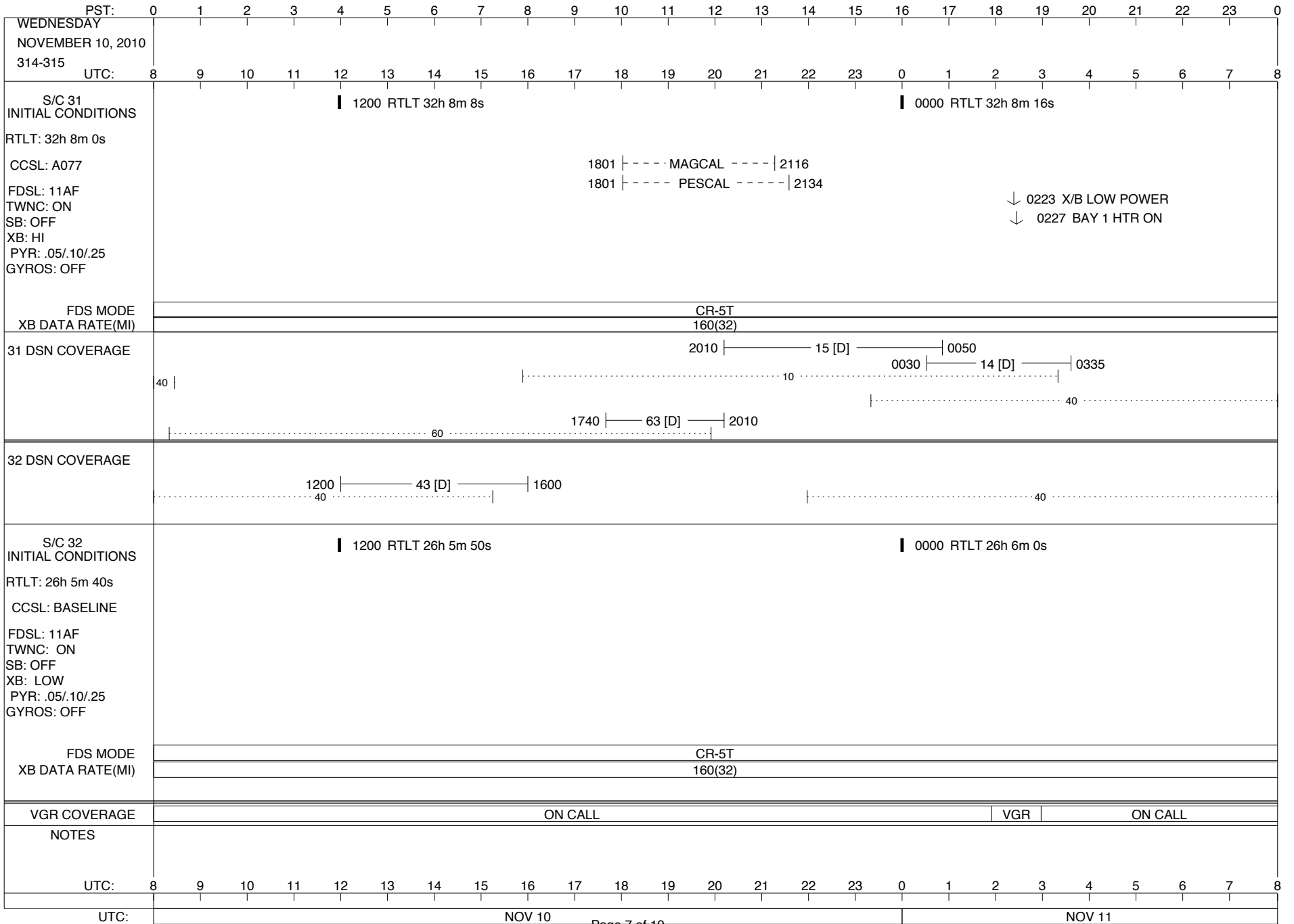
ISSUE DATE: 11/11/10 15:44

| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|---|----------------------------|---|----|----|----|----|----|----|----|----|----|----|----------------------------|----|----|----|----|----|----|----|----|----|----|----|---|
| MONDAY NOVEMBER 8, 2010 312-313 | UTC: 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLTL: 32h 7m 28s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF | █ 1200 RTLTL 32h 7m 36s | | | | | | | | | | | | █ 0000 RTLTL 32h 7m 44s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 1545 --- 14 [T] --- 1745 | | | | | | | | | | | | 2345 --- 14 [D] --- 0345 | | | | | | | | | | | | |
| | 40 . | | | | | | | | | | | | 10 | | | | | | | | | | | | |
| | ----- 60 ----- | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | |
| 32 DSN COVERAGE | 0850 --- 34 [D] --- 1050 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1050 --- 43 [D] --- 1245 | | | | | | | | | | | | | | | | | | | | | | | | |
| | ----- 40 ----- | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 26h 4m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | █ 1200 RTLTL 26h 5m 8s | | | | | | | | | | | | █ 0000 RTLTL 26h 5m 18s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | VGR ON CALL | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | NOV 08 | | | | | | | | | | | | NOV 09 | | | | | | | | | | | | |

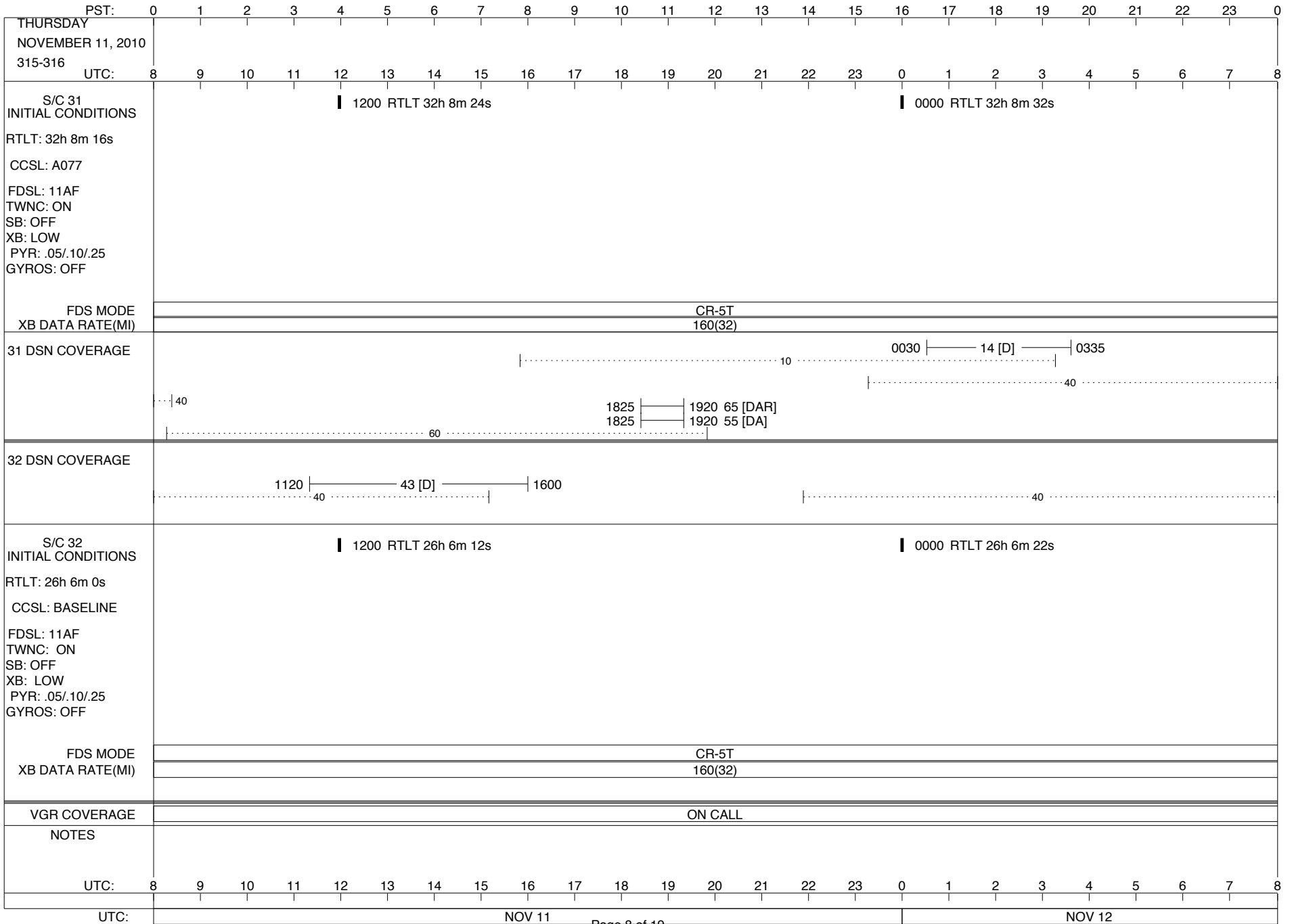
ISSUE DATE: 11/11/10 15:44

| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|---|---|----|----|----|----|----|-----|----|----|----|----|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|---|
| TUESDAY NOVEMBER 9, 2010 313-314 | UTC: 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLTL: 32h 7m 44s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 32h 7m 52s | | | | | | | | | | | | 0000 RTLTL 32h 8m 0s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 0025 15 [D] 0225 | | | | | | | | | | | | 0158 0159 PWS/RH | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1150 43 [B] 1605 | | | | | | | | | | | | 0158 GS-4B 0159 | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 26h 5m 18s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 26h 5m 28s | | | | | | | | | | | | 0000 RTLTL 26h 5m 40s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | VGR | | | | | | ON CALL | | | | | | | | | | | | |
| NOTES | [1] S/C 31=GS-4B @ 0158 XB=2.8K(41) NOT RECOVERABLE | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| UTC: | NOV 09 | | | | | | | | | | | | NOV 10 | | | | | | | | | | | | |

ISSUE DATE: 11/11/10 15:44



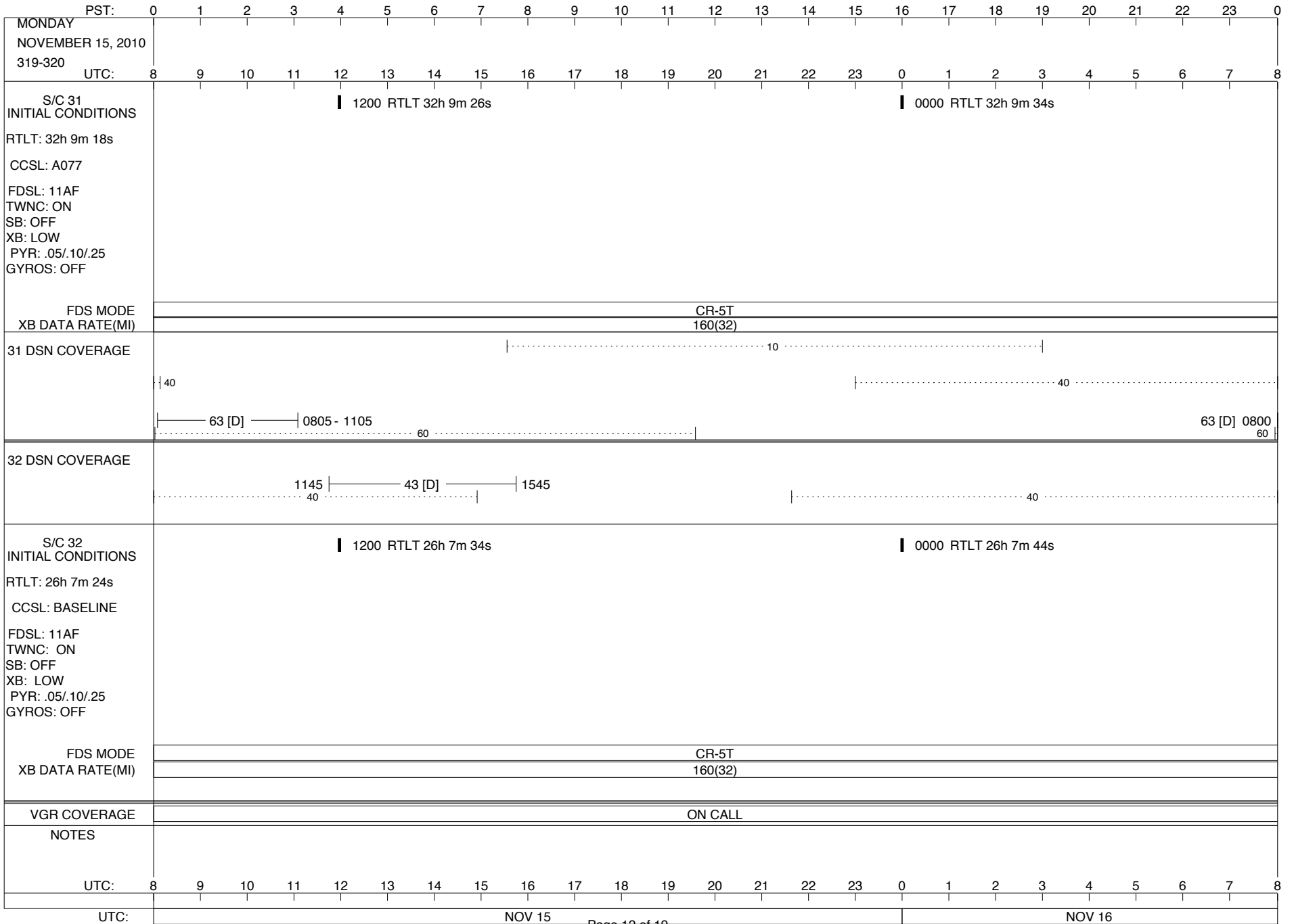
ISSUE DATE: 11/11/10 15:44



ISSUE DATE: 11/11/10 15:44

| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 |
|--|--------------------------------|---|----|----|----|----|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|----|----|----|----|----|----|---|
| SUNDAY NOVEMBER 14, 2010 318-319 | UTC: 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| S/C 31 INITIAL CONDITIONS RTLTL: 32h 9m 4s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 32h 9m 10s | | | | | | | | | | | | 0000 RTLTL 32h 9m 18s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| 31 DSN COVERAGE | 1520 ----- 14 [D] ----- 1730 | | | | | | | | | | | | 2215 ----- 14 [D] ----- 0320 | | | | | | | | | | | | |
| | ----- 40 ----- | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | |
| | ----- 60 ----- | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1120 ----- 43 [D] ----- 1520 | | | | | | | | | | | | | | | | | | | | | | | | |
| | ----- 40 ----- | | | | | | | | | | | | ----- 40 ----- | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 26h 7m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLTL 26h 7m 14s | | | | | | | | | | | | 0000 RTLTL 26h 7m 24s | | | | | | | | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | CR-5T 160(32) | | | | | | | | | | | | |
| VGR COVERAGE | | | | | | | | | | | | | ON CALL | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| UTC: | NOV 14 | | | | | | | | | | | | NOV 15 | | | | | | | | | | | | |

ISSUE DATE: 11/11/10 15:44



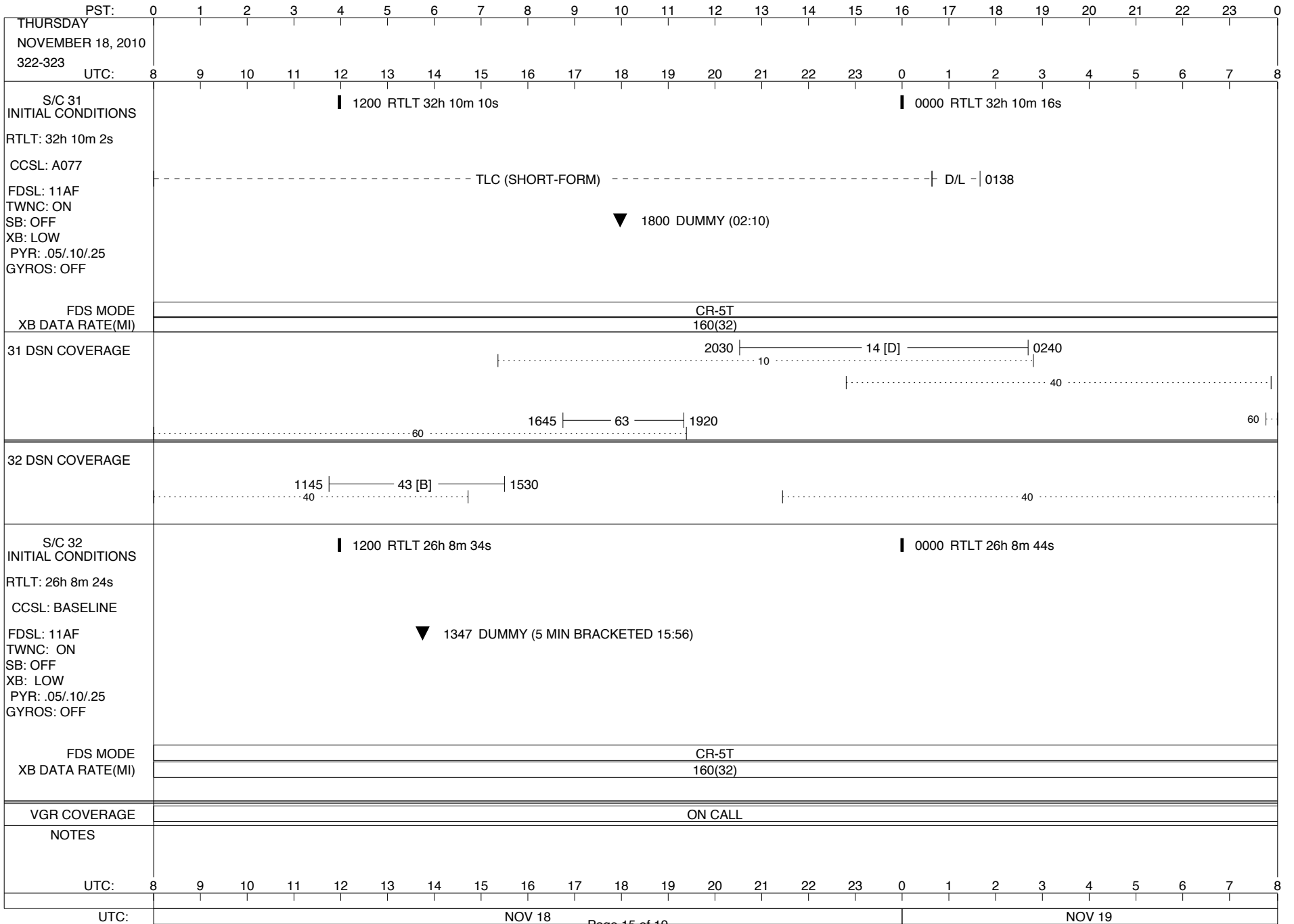
ISSUE DATE: 11/11/10 15:44

| | | |
|--|---|--|
| TUESDAY NOVEMBER 16, 2010 320-321 | | PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 |
| UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 | | |
| S/C 31 INITIAL CONDITIONS RTLT: 32h 9m 34s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 32h 9m 40s | 0000 RTLT 32h 9m 48s |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | CR-5T 160(32) |
| 31 DSN COVERAGE | | |
| 32 DSN COVERAGE | | |
| S/C 32 INITIAL CONDITIONS RTLT: 26h 7m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | 1200 RTLT 26h 7m 54s | 0000 RTLT 26h 8m 4s |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) | |
| VGR COVERAGE | ON CALL | |
| NOTES | [1] S/C 31=GS-4B @ 0135 XB=2.8K(41) NOT RECOVERABLE | |
| UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 | | |
| UTC: NOV 16 | | NOV 17 |

ISSUE DATE: 11/11/10 15:44

| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | |
|--|---|---|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----|----|----|---|--|
| WEDNESDAY NOVEMBER 17, 2010 321-322 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| S/C 31 INITIAL CONDITIONS RTLTL: 32h 9m 48s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | | | | | █ 1200 | | | | | | | | | | | | | | | | █ 0000 | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS RTLTL: 26h 8m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | | | | | █ 1200 | | | | | | | | | | | | | | | | █ 0000 | | | | | |
| FDS MODE XB DATA RATE(MI) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VGR COVERAGE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| UTC: | | | | | | | | | | | | | | | | | | | | | | | | | | |

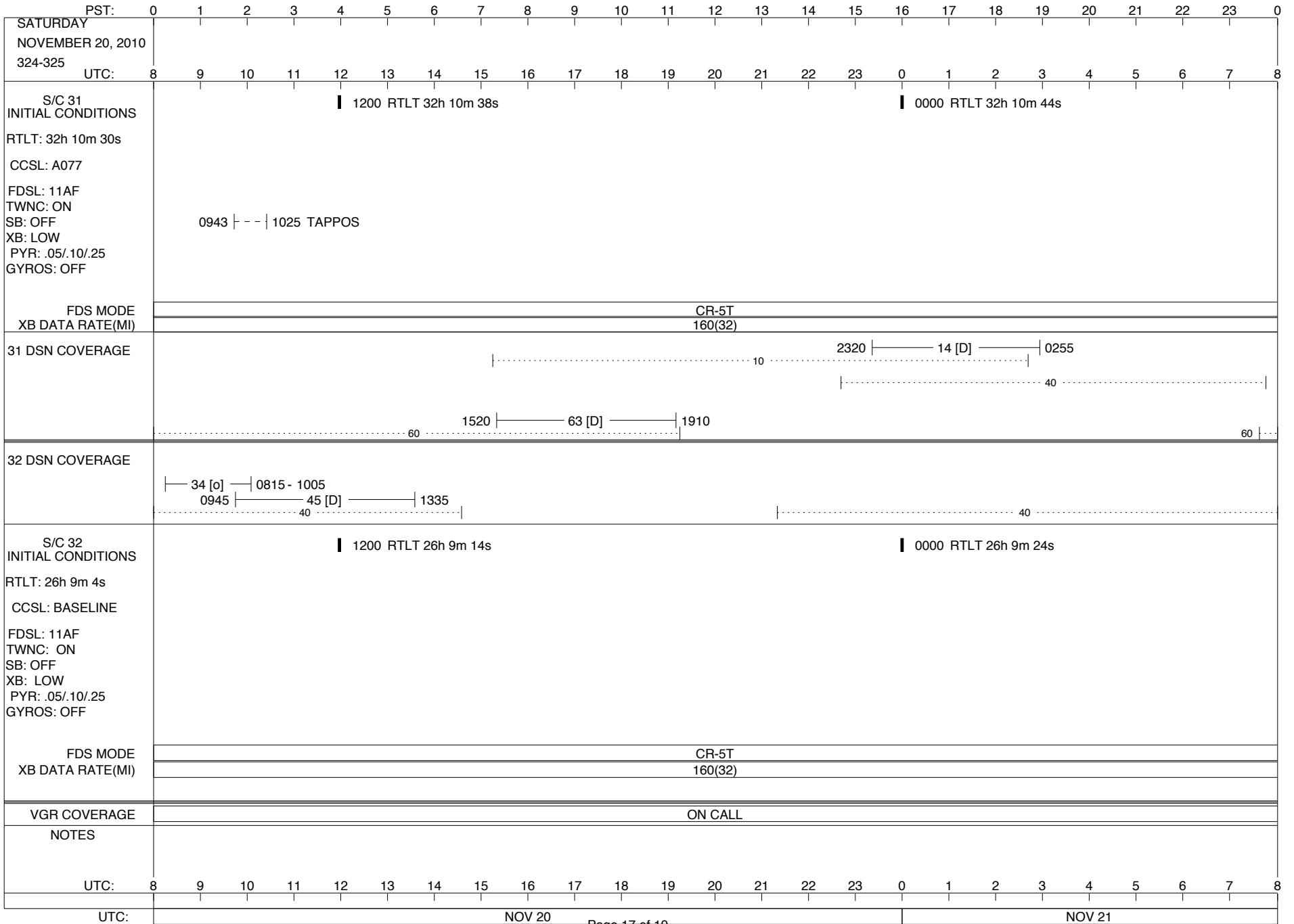
ISSUE DATE: 11/11/10 15:44



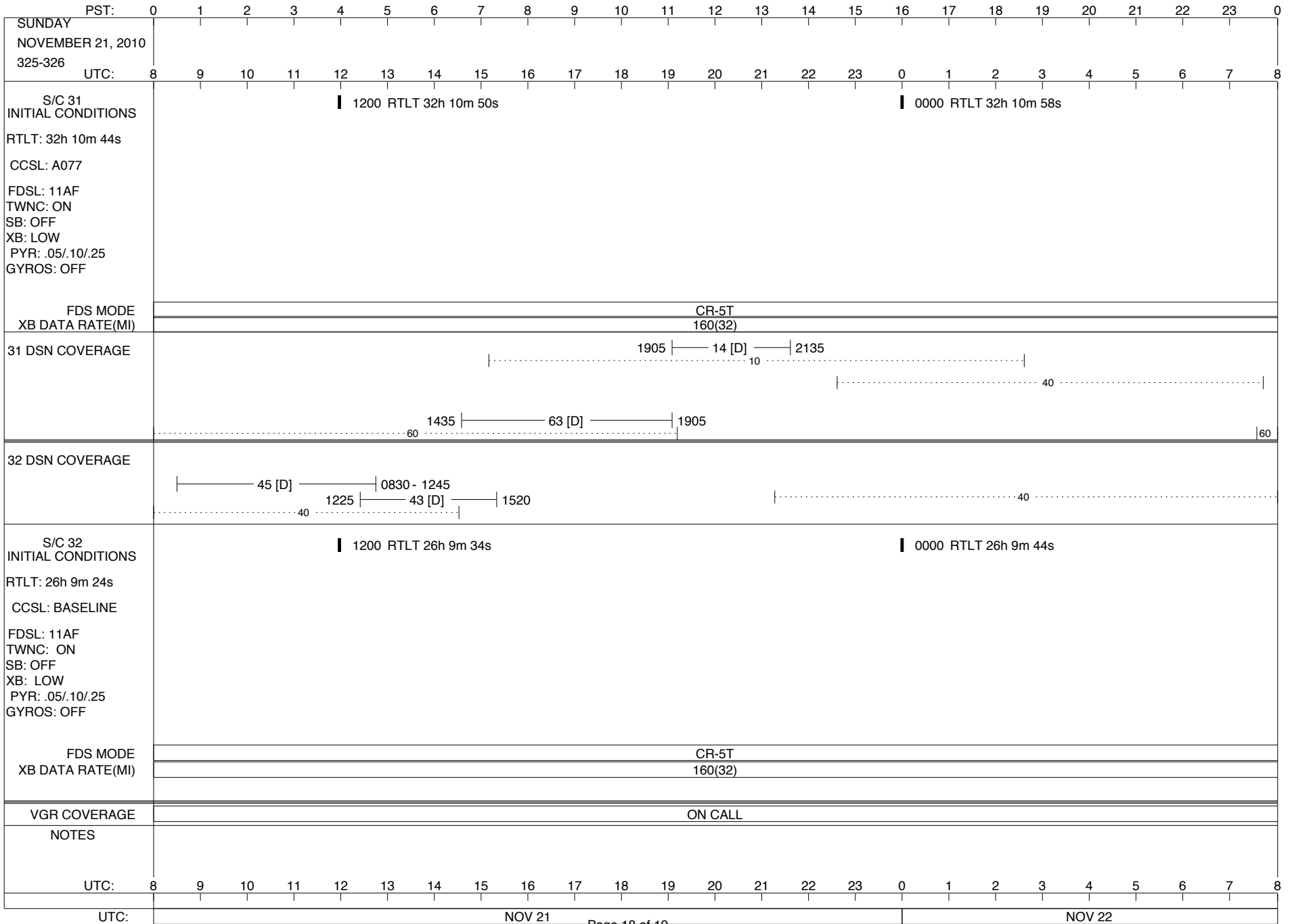
ISSUE DATE: 11/11/10 15:44

| | |
|--|---|
| PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 | |
| FRIDAY NOVEMBER 19, 2010 323-324 | |
| UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 | |
| S/C 31 INITIAL CONDITIONS RTLT: 32h 10m 16s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <p>1200 RTLT 32h 10m 24s</p> <p>0000 RTLT 32h 10m 30s</p> <p>0433 - - - 0529 TAPPOS PWS/RH 0735 - 0736 </p> <p>0735 GS-4B 0736 ↓</p> |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) |
| 31 DSN COVERAGE | <p>2330 ----- 14 [D] ----- 0300</p> <p>..... 10 40 60 60 ..</p> |
| 32 DSN COVERAGE | <p>0930 ----- 43 [D] ----- 1525</p> <p>..... 40 40</p> |
| S/C 32 INITIAL CONDITIONS RTLT: 26h 8m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF | <p>1200 RTLT 26h 8m 54s</p> <p>0000 RTLT 26h 9m 4s</p> |
| FDS MODE XB DATA RATE(MI) | CR-5T 160(32) |
| VGR COVERAGE | ON CALL |
| NOTES | [1] S/C 31=GS-4B @ 0735 XB=2.8K(41) NOT RECOVERABLE |
| UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 | |
| UTC: NOV 19 NOV 20 | |

ISSUE DATE: 11/11/10 15:44



ISSUE DATE: 11/11/10 15:44



ISSUE DATE: 11/11/10 15:44

| PST: | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | | |
|--|--------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|---------|----|----|----|----|----|----|----|----|----|----|---|--|--|
| MONDAY NOVEMBER 22, 2010 326-327 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| S/C 31 INITIAL CONDITIONS | █ 1200 RTLT 32h 11m 4s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RTLT: 32h 10m 58s | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: A077 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/10/25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | | CR-5T | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | | |
| 31 DSN COVERAGE | 1450 ----- 14 [D] ----- 1745 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1335 63 [D] 1450 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 DSN COVERAGE | 1000 ----- 43 [D] ----- 1515 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/C 32 INITIAL CONDITIONS | █ 1200 RTLT 26h 9m 54s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RTLT: 26h 9m 44s | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCSL: BASELINE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDSL: 11AF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TWNC: ON | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XB: LOW | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PYR: .05/10/25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GYROS: OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDS MODE | | | | | | | | | | | | | | CR-5T | | | | | | | | | | | | | |
| XB DATA RATE(MI) | | | | | | | | | | | | | | 160(32) | | | | | | | | | | | | | |
| VGR COVERAGE | ON CALL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTC: | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| UTC: | NOV 22 | | | | | | | | | | | | | NOV 23 | | | | | | | | | | | | | |