---

file:/gsbifrdata/08nov/23_014_08nov2012_8s.lta, scan:0, rec:37, chan:64

```
        VERSION: COR30x2 LTA1.10 DAS1.10 HST03
       OBS_MODE: INDIAN_POLAR    CORR_HOST: GSB   BASELINES: 930   CHANNELS: 512
SCN OBJECT       RA(MEAN)      DEC(MEAN)     DATE         IST         RF(MHz) CW(kHz)    Nrecs
  0 3C48         01h38m25.49 +33d13'29.51" 08/Nov/2012 18:13:50 1261.00   65.104   74
SCN OBJECT       LO1(130)  LO1(175)  LO4(130) LO4(175)  RF(130)   RF(175)   CW   Nrecs
                   MHz       MHz       MHz      MHz       MHz       MHz     kHz
  0 3C48         1210.000  1210.000  149.000  156.000   1261.000  1261.000  65.10  74
```

---

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | ++ | 3 | 0 | 1 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | C00 | 491 | 455 |
| C01 | 6 | ++ | 8 | 17 | 42 | 61 | 111 | 55 | 17 | 36 | 51 | 24 | 36 | 111 | 5 | 25 | 23 | 25 | 30 | 13 | 28 | 27 | 31 | 19 | 24 | 30 | 31 | 32 | 0 | 23 | C01 | 674 | 1108 |
| C02 | 1 | 11 | ++ | 4 | 1 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | C02 | 558 | 611 |
| C03 | 2 | 18 | 10 | ++ | 54 | 24 | 22 | 29 | 5 | 37 | 45 | 26 | 22 | 11 | 5 | 32 | 26 | 22 | 29 | 10 | 24 | 23 | 27 | 18 | 25 | 25 | 28 | 27 | 2 | 22 | C03 | 276 | 562 |
| C04 | 1 | 44 | 8 | 45 | ++ | 40 | 44 | 33 | 8 | 43 | 26 | 43 | 35 | 39 | 8 | 37 | 33 | 30 | 38 | 15 | 34 | 35 | 35 | 26 | 29 | 35 | 37 | 36 | 0 | 30 | C04 | 682 | 457 |
| C05 | 0 | 46 | 10 | 28 | 35 | ++ | 35 | 56 | 12 | 42 | 43 | 39 | 42 | 66 | 5 | 31 | 32 | 27 | 34 | 12 | 31 | 31 | 35 | 23 | 28 | 36 | 34 | 34 | 1 | 27 | C05 | 601 | 610 |
| C06 | 1 | 85 | 18 | 24 | 40 | 35 | ++ | 10 | 17 | 41 | 63 | 28 | 35 | 74 | 9 | 39 | 34 | 33 | 42 | 15 | 34 | 34 | 39 | 27 | 31 | 39 | 41 | 39 | 1 | 30 | C06 | 641 | 546 |
| C08 | 2 | 83 | 10 | 19 | 39 | 54 | 19 | ++ | 5 | 27 | 39 | 97 | 49 | 84 | 7 | 32 | 32 | 28 | 37 | 10 | 31 | 32 | 32 | 25 | 27 | 34 | 36 | 34 | 1 | 27 | C08 | 1075 | 554 |
| C09 | 0 | 63 | 9 | 15 | 29 | 29 | 78 | 5 | ++ | 11 | 11 | 10 | 7 | 9 | 2 | 10 | 7 | 6 | 10 | 5 | 8 | 9 | 10 | 6 | 8 | 9 | 10 | 9 | 1 | 5 | C09 | 313 | 656 |
| C10 | 1 | 25 | 9 | 37 | 30 | 28 | 53 | 20 | 47 | ++ | 43 | 37 | 42 | 32 | 9 | 41 | 37 | 34 | 43 | 15 | 35 | 36 | 42 | 30 | 33 | 39 | 41 | 41 | 0 | 31 | C10 | 621 | 399 |
| C11 | 2 | 12 | 6 | 25 | 41 | 27 | 31 | 31 | 39 | 36 | ++ | 43 | 37 | 52 | 9 | 39 | 37 | 32 | 43 | 14 | 35 | 35 | 38 | 29 | 32 | 40 | 40 | 41 | 1 | 31 | C11 | 525 | 829 |
| C12 | 0 | 39 | 9 | 26 | 34 | 44 | 44 | 88 | 35 | 32 | 38 | ++ | 42 | 39 | 10 | 39 | 35 | 31 | 40 | 12 | 32 | 35 | 38 | 25 | 31 | 38 | 38 | 39 | 3 | 27 | C12 | 669 | 691 |
| C13 | 0 | 39 | 9 | 23 | 37 | 44 | 29 | 89 | 22 | 26 | 29 | 55 | ++ | 47 | 10 | 35 | 33 | 29 | 39 | 14 | 31 | 33 | 34 | 25 | 30 | 37 | 41 | 35 | 1 | 29 | C13 | 632 | 590 |
| C14 | 0 | 127 | 11 | 19 | 46 | 66 | 73 | 130 | 62 | 9 | 16 | 49 | 53 | ++ | 5 | 26 | 28 | 25 | 31 | 11 | 28 | 30 | 30 | 21 | 26 | 32 | 32 | 35 | 1 | 24 | C14 | 705 | 630 |
| E02 | 1 | 5 | 3 | 11 | 6 | 8 | 7 | 19 | 7 | 11 | 11 | 20 | 14 | 7 | ++ | 11 | 9 | 7 | 9 | 2 | 6 | 10 | 10 | 6 | 7 | 10 | 9 | 8 | 0 | 7 | E02 | 722 | 871 |
| E03 | 1 | 23 | 9 | 29 | 34 | 32 | 35 | 43 | 32 | 40 | 33 | 37 | 38 | 29 | 22 | ++ | 35 | 31 | 41 | 14 | 33 | 51 | 37 | 25 | 30 | 35 | 40 | 39 | 1 | 29 | E03 | 522 | 627 |
| E04 | 0 | 28 | 9 | 25 | 30 | 30 | 33 | 31 | 29 | 33 | 30 | 32 | 33 | 31 | 8 | 33 | ++ | 29 | 38 | 12 | 31 | 32 | 36 | 24 | 29 | 34 | 36 | 36 | 1 | 26 | E04 | 612 | 555 |
| E05 | 2 | 33 | 11 | 34 | 35 | 35 | 40 | 32 | 34 | 39 | 34 | 37 | 35 | 33 | 11 | 39 | 33 | ++ | 36 | 9 | 26 | 27 | 30 | 20 | 26 | 31 | 30 | 31 | 0 | 24 | E05 | 692 | 562 |
| E06 | 1 | 32 | 10 | 31 | 36 | 35 | 39 | 33 | 35 | 42 | 36 | 39 | 36 | 34 | 11 | 40 | 34 | 72 | ++ | 14 | 27 | 37 | 40 | 29 | 32 | 39 | 42 | 40 | 1 | 31 | E06 | 683 | 577 |
| S01 | 0 | 11 | 3 | 9 | 11 | 11 | 11 | 11 | 9 | 12 | 10 | 10 | 11 | 12 | 2 | 11 | 10 | 11 | 11 | ++ | 12 | 12 | 14 | 8 | 11 | 13 | 13 | 12 | 0 | 9 | S01 | 732 | 492 |
| S02 | 0 | 32 | 8 | 28 | 32 | 33 | 36 | 37 | 33 | 35 | 34 | 34 | 34 | 33 | 10 | 37 | 30 | 1 | 26 | 11 | ++ | 32 | 32 | 22 | 29 | 31 | 33 | 33 | 0 | 23 | S02 | 482 | 869 |
| S03 | 0 | 33 | 11 | 28 | 35 | 35 | 38 | 32 | 32 | 38 | 33 | 37 | 34 | 33 | 10 | 49 | 33 | 40 | 40 | 12 | 35 | ++ | 35 | 25 | 26 | 32 | 35 | 34 | 0 | 26 | S03 | 619 | 662 |
| S04 | 0 | 31 | 9 | 27 | 34 | 33 | 38 | 33 | 32 | 37 | 34 | 33 | 36 | 33 | 10 | 38 | 34 | 37 | 39 | 10 | 32 | 40 | ++ | 28 | 30 | 37 | 37 | 37 | 1 | 27 | S04 | 962 | 768 |
| S06 | 0 | 22 | 6 | 20 | 27 | 24 | 28 | 26 | 22 | 28 | 26 | 26 | 25 | 24 | 8 | 27 | 24 | 24 | 28 | 8 | 24 | 28 | 28 | ++ | 19 | 26 | 27 | 26 | 2 | 18 | S06 | 462 | 581 |
| W01 | 0 | 34 | 9 | 31 | 38 | 36 | 40 | 29 | 35 | 40 | 39 | 40 | 37 | 35 | 11 | 40 | 36 | 40 | 41 | 12 | 38 | 37 | 38 | 29 | ++ | 31 | 31 | 33 | 0 | 24 | W01 | 266 | 821 |
| W02 | 0 | 35 | 12 | 30 | 38 | 36 | 40 | 37 | 34 | 38 | 37 | 39 | 38 | 38 | 9 | 40 | 35 | 38 | 42 | 12 | 38 | 39 | 38 | 28 | 42 | ++ | 42 | 36 | 1 | 31 | W02 | 731 | 618 |
| W03 | 0 | 32 | 9 | 30 | 36 | 36 | 40 | 36 | 33 | 39 | 34 | 37 | 37 | 35 | 10 | 38 | 34 | 38 | 41 | 10 | 37 | 38 | 37 | 26 | 40 | 41 | ++ | 36 | 1 | 28 | W03 | 542 | 515 |
| W04 | 0 | 32 | 12 | 29 | 39 | 35 | 39 | 36 | 34 | 39 | 37 | 38 | 34 | 34 | 10 | 38 | 35 | 38 | 41 | 13 | 37 | 37 | 36 | 26 | 41 | 41 | 41 | ++ | 0 | 31 | W04 | 632 | 457 |
| W05 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 0 | 1 | ++ | 1 | W05 | 657 | 547 |
| W06 | 0 | 23 | 7 | 19 | 27 | 26 | 27 | 27 | 24 | 29 | 25 | 28 | 27 | 24 | 6 | 29 | 25 | 27 | 28 | 9 | 24 | 27 | 27 | 19 | 30 | 26 | 28 | 30 | 0 | ++ | W06 | 757 | 790 |
| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |

---

---

file:/gsbifrdata/08nov/23_014_08nov2012_8s.lta, scan:21, rec:10, chan:64

```
        VERSION: COR30x2 LTA1.10 DAS1.10 HST03
       OBS_MODE: INDIAN_POLAR    CORR_HOST: GSB   BASELINES: 930   CHANNELS: 512
SCN OBJECT       RA(MEAN)      DEC(MEAN)     DATE         IST         RF(MHz) CW(kHz)    Nrecs
 21 3C147        05h43m35.97 +49d51'26.18" 08/Nov/2012 23:04:24 1261.00   65.104   21
SCN OBJECT       LO1(130)  LO1(175)  LO4(130) LO4(175)  RF(130)   RF(175)   CW   Nrecs
                   MHz       MHz       MHz      MHz       MHz       MHz     kHz
 21 3C147        1210.000  1210.000  149.000  156.000   1261.000  1261.000  65.10  21
```

---

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | ++ | 4 | 2 | 0 | 2 | 3 | 1 | 0 | 1 | 1 | 1 | 2 | 2 | 1 | 0 | 2 | 1 | 1 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | C00 | 529 | 455 |
| C01 | 3 | ++ | 4 | 27 | 55 | 167 | 46 | 142 | 12 | 38 | 27 | 125 | 44 | 50 | 37 | 41 | 36 | 36 | 42 | 41 | 42 | 41 | 65 | 25 | 32 | 39 | 43 | 45 | 1 | 34 | C01 | 693 | 1209 |
| C02 | 1 | 15 | ++ | 3 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | C02 | 566 | 570 |
| C03 | 1 | 20 | 15 | ++ | 117 | 89 | 57 | 44 | 14 | 144 | 127 | 10 | 44 | 73 | 30 | 41 | 36 | 28 | 38 | 11 | 47 | 80 | 53 | 24 | 34 | 22 | 39 | 38 | 0 | 31 | C03 | 286 | 363 |
| C04 | 0 | 67 | 13 | 127 | ++ | 50 | 68 | 24 | 10 | 144 | 169 | 11 | 132 | 155 | 33 | 44 | 41 | 38 | 52 | 26 | 6 | 15 | 55 | 29 | 46 | 55 | 51 | 49 | 1 | 37 | C04 | 706 | 545 |
| C05 | 2 | 129 | 19 | 84 | 53 | ++ | 147 | 182 | 35 | 138 | 25 | 236 | 80 | 44 | 32 | 41 | 35 | 35 | 43 | 38 | 40 | 48 | 147 | 33 | 40 | 50 | 44 | 46 | 0 | 33 | C05 | 724 | 660 |
| C06 | 1 | 46 | 16 | 29 | 61 | 89 | ++ | 123 | 36 | 182 | 52 | 190 | 41 | 64 | 53 | 54 | 46 | 41 | 55 | 9 | 59 | 35 | 116 | 33 | 43 | 40 | 56 | 54 | 2 | 41 | C06 | 703 | 518 |
| C08 | 1 | 176 | 16 | 42 | 61 | 189 | 114 | ++ | 27 | 76 | 36 | 214 | 47 | 31 | 38 | 53 | 45 | 37 | 51 | 22 | 48 | 51 | 103 | 31 | 40 | 39 | 48 | 48 | 0 | 37 | C08 | 1227 | 577 |
| C09 | 1 | 20 | 10 | 42 | 42 | 62 | 98 | 77 | ++ | 34 | 17 | 49 | 6 | 8 | 11 | 14 | 9 | 10 | 12 | 10 | 11 | 12 | 15 | 6 | 10 | 8 | 13 | 12 | 1 | 10 | C09 | 332 | 630 |
| C10 | 1 | 41 | 11 | 81 | 114 | 57 | 125 | 64 | 85 | ++ | 71 | 149 | 57 | 124 | 51 | 47 | 45 | 41 | 54 | 15 | 51 | 16 | 129 | 32 | 39 | 49 | 54 | 52 | 1 | 38 | C10 | 764 | 467 |
| C11 | 1 | 25 | 13 | 139 | 153 | 16 | 56 | 47 | 65 | 25 | ++ | 64 | 90 | 111 | 45 | 50 | 47 | 41 | 55 | 23 | 60 | 52 | 44 | 24 | 31 | 44 | 49 | 52 | 1 | 38 | C11 | 638 | 869 |
| C12 | 0 | 125 | 8 | 13 | 9 | 213 | 177 | 279 | 169 | 134 | 85 | ++ | 29 | 20 | 44 | 52 | 44 | 35 | 48 | 32 | 53 | 42 | 131 | 30 | 38 | 26 | 46 | 47 | 1 | 38 | C12 | 737 | 886 |
| C13 | 1 | 47 | 14 | 43 | 200 | 81 | 36 | 55 | 25 | 53 | 131 | 25 | ++ | 102 | 37 | 48 | 43 | 37 | 51 | 17 | 55 | 45 | 52 | 31 | 50 | 40 | 52 | 49 | 1 | 39 | C13 | 660 | 691 |
| C14 | 0 | 60 | 13 | 107 | 204 | 43 | 70 | 40 | 46 | 106 | 134 | 17 | 151 | ++ | 32 | 43 | 38 | 34 | 49 | 23 | 17 | 20 | 52 | 27 | 39 | 48 | 47 | 45 | 0 | 34 | C14 | 770 | 627 |
| E02 | 1 | 46 | 13 | 34 | 34 | 38 | 53 | 43 | 44 | 49 | 50 | 43 | 38 | 34 | ++ | 56 | 44 | 31 | 46 | 19 | 41 | 45 | 46 | 26 | 37 | 34 | 44 | 43 | 1 | 37 | E02 | 699 | 948 |
| E03 | 0 | 48 | 14 | 42 | 46 | 49 | 57 | 53 | 51 | 51 | 53 | 48 | 48 | 47 | 55 | ++ | 47 | 38 | 56 | 18 | 47 | 52 | 50 | 31 | 43 | 45 | 53 | 53 | 1 | 40 | E03 | 550 | 694 |
| E04 | 2 | 39 | 12 | 37 | 38 | 38 | 48 | 44 | 43 | 43 | 46 | 42 | 40 | 40 | 43 | 44 | ++ | 26 | 52 | 16 | 41 | 47 | 42 | 30 | 40 | 40 | 48 | 46 | 1 | 35 | E04 | 628 | 595 |
| E05 | 1 | 45 | 13 | 34 | 39 | 42 | 50 | 44 | 44 | 47 | 47 | 34 | 37 | 40 | 38 | 47 | 29 | ++ | 46 | 13 | 38 | 41 | 36 | 25 | 34 | 32 | 43 | 41 | 1 | 32 | E05 | 834 | 673 |
| E06 | 0 | 46 | 15 | 40 | 49 | 48 | 55 | 50 | 49 | 51 | 52 | 40 | 46 | 48 | 46 | 56 | 46 | 35 | ++ | 22 | 52 | 54 | 52 | 34 | 48 | 48 | 58 | 57 | 2 | 43 | E06 | 715 | 515 |
| S01 | 1 | 37 | 6 | 9 | 22 | 30 | 9 | 28 | 19 | 16 | 17 | 26 | 16 | 23 | 19 | 18 | 15 | 15 | 18 | ++ | 18 | 18 | 9 | 11 | 18 | 18 | 20 | 19 | 1 | 16 | S01 | 770 | 471 |
| S02 | 1 | 43 | 15 | 42 | 48 | 47 | 54 | 49 | 45 | 48 | 43 | 42 | 63 | 34 | 47 | 53 | 44 | 44 | 50 | 17 | ++ | 52 | 54 | 26 | 39 | 42 | 50 | 49 | 0 | 35 | S02 | 536 | 891 |
| S03 | 0 | 44 | 17 | 67 | 33 | 55 | 51 | 49 | 46 | 41 | 80 | 42 | 35 | 51 | 47 | 57 | 48 | 48 | 57 | 20 | 49 | ++ | 40 | 33 | 44 | 42 | 52 | 52 | 1 | 39 | S03 | 643 | 661 |
| S04 | 0 | 56 | 15 | 54 | 38 | 77 | 43 | 65 | 27 | 33 | 47 | 36 | 52 | 39 | 44 | 49 | 41 | 45 | 52 | 17 | 49 | 59 | ++ | 35 | 44 | 41 | 51 | 48 | 0 | 37 | S04 | 1002 | 746 |
| S06 | 2 | 31 | 9 | 27 | 36 | 38 | 36 | 38 | 28 | 34 | 30 | 27 | 32 | 32 | 30 | 37 | 33 | 32 | 37 | 15 | 30 | 38 | 39 | ++ | 21 | 29 | 32 | 30 | 2 | 22 | S06 | 497 | 614 |
| W01 | 0 | 49 | 15 | 35 | 46 | 48 | 60 | 45 | 50 | 60 | 55 | 47 | 51 | 39 | 46 | 54 | 47 | 50 | 58 | 22 | 58 | 56 | 53 | 27 | ++ | 35 | 44 | 46 | 0 | 34 | W01 | 276 | 886 |
| W02 | 1 | 47 | 14 | 32 | 56 | 50 | 52 | 44 | 49 | 54 | 52 | 32 | 45 | 57 | 42 | 56 | 45 | 45 | 56 | 18 | 50 | 54 | 50 | 37 | 67 | ++ | 50 | 46 | 1 | 37 | W02 | 648 | 655 |
| W03 | 1 | 41 | 13 | 41 | 46 | 46 | 52 | 46 | 47 | 46 | 46 | 41 | 50 | 45 | 43 | 53 | 45 | 45 | 52 | 17 | 49 | 51 | 48 | 36 | 54 | 53 | ++ | 57 | 1 | 42 | W03 | 543 | 606 |
| W04 | 0 | 49 | 14 | 41 | 49 | 50 | 55 | 53 | 52 | 53 | 53 | 43 | 48 | 50 | 48 | 57 | 48 | 49 | 55 | 18 | 51 | 58 | 50 | 33 | 55 | 61 | 57 | ++ | 1 | 43 | W04 | 610 | 485 |
| W05 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | ++ | 2 | W05 | 647 | 498 |
| W06 | 0 | 33 | 11 | 30 | 31 | 34 | 42 | 38 | 35 | 38 | 38 | 32 | 34 | 32 | 34 | 40 | 33 | 36 | 39 | 13 | 36 | 38 | 36 | 24 | 39 | 38 | 38 | 44 | 1 | ++ | W06 | 767 | 944 |
| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |

```
file:/gsbifrdata/08nov/23_014_08nov2012_8s.lta, scan:23, rec:7, chan:64
         VERSION: COR30x2 LTA1.10 DAS1.10 HST03
        OBS_MODE: INDIAN_POLAR    CORR_HOST: GSB   BASELINES: 930   CHANNELS: 512
SCN OBJECT       RA(MEAN)      DEC(MEAN)     DATE         IST        RF(MHz) CW(kHz)    Nrecs
 23 3C147        05h43m35.97 +49d51'26.18" 08/Nov/2012 23:31:40 1261.00    65.104    14
SCN OBJECT       LO1(130)  LO1(175)  LO4(130) LO4(175)  RF(130)    RF(175)    CW   Nrecs
                   MHz        MHz        MHz      MHz       MHz        MHz       kHz
 23 3C147        1210.000  1210.000  149.000  156.000   1261.000  1261.000  65.10  14
```

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | ++ | 3 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | C00 | 529 | 457 |
| C01 | 5 | ++ | 6 | 47 | 39 | 14 | 63 | 87 | 21 | 48 | 41 | 99 | 48 | 28 | 36 | 46 | 41 | 35 | 45 | 14 | 51 | 41 | 46 | 28 | 40 | 47 | 44 | 43 | 0 | 38 | C01 | 680 | 1153 |
| C02 | 0 | 15 | ++ | 1 | 2 | 4 | 0 | 2 | 1 | 1 | 0 | 3 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 2 | C02 | 574 | 570 |
| C03 | 0 | 46 | 23 | ++ | 145 | 53 | 29 | 31 | 4 | 109 | 104 | 71 | 32 | 62 | 26 | 40 | 36 | 32 | 43 | 14 | 30 | 25 | 40 | 23 | 30 | 39 | 40 | 40 | 1 | 34 | C03 | 291 | 462 |
| C04 | 1 | 42 | 10 | 196 | ++ | 38 | 56 | 43 | 16 | 52 | 153 | 77 | 28 | 91 | 38 | 49 | 47 | 40 | 49 | 25 | 46 | 37 | 45 | 38 | 39 | 49 | 44 | 47 | 1 | 43 | C04 | 736 | 525 |
| C05 | 1 | 35 | 42 | 48 | 44 | ++ | 30 | 65 | 12 | 100 | 34 | 88 | 48 | 44 | 42 | 48 | 46 | 42 | 51 | 19 | 11 | 59 | 52 | 24 | 46 | 51 | 43 | 47 | 2 | 42 | C05 | 652 | 644 |
| C06 | 0 | 59 | 5 | 3 | 60 | 47 | ++ | 60 | 28 | 14 | 67 | 138 | 59 | 62 | 43 | 55 | 57 | 47 | 60 | 23 | 82 | 44 | 58 | 42 | 45 | 55 | 56 | 58 | 0 | 48 | C06 | 643 | 514 |
| C08 | 1 | 91 | 26 | 31 | 41 | 68 | 44 | ++ | 13 | 58 | 51 | 82 | 52 | 48 | 43 | 51 | 48 | 43 | 52 | 17 | 50 | 46 | 49 | 52 | 46 | 54 | 50 | 48 | 1 | 43 | C08 | 1140 | 477 |
| C09 | 0 | 90 | 35 | 15 | 61 | 89 | 132 | 57 | ++ | 11 | 15 | 31 | 14 | 12 | 8 | 12 | 11 | 10 | 14 | 4 | 22 | 10 | 12 | 9 | 11 | 12 | 14 | 14 | 1 | 11 | C09 | 329 | 721 |
| C10 | 1 | 50 | 27 | 87 | 41 | 82 | 26 | 59 | 26 | ++ | 57 | 21 | 56 | 33 | 48 | 56 | 55 | 46 | 60 | 20 | 41 | 56 | 64 | 24 | 51 | 55 | 54 | 55 | 1 | 47 | C10 | 626 | 425 |
| C11 | 1 | 50 | 10 | 125 | 153 | 41 | 66 | 50 | 62 | 60 | ++ | 69 | 44 | 40 | 44 | 52 | 53 | 44 | 57 | 17 | 53 | 45 | 54 | 36 | 44 | 53 | 52 | 54 | 0 | 45 | C11 | 585 | 780 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C12 | 0 | 73 | 11 | 65 | 64 | 65 | 100 | 43 | 126 | 41 | 65 | ++ | 43 | 46 | 33 | 48 | 47 | 39 | 52 | 25 | 65 | 33 | 56 | 16 | 39 | 48 | 48 | 51 | 1 | 41 | C12 | 776 | 772 |
| C13 | 0 | 52 | 14 | 78 | 80 | 40 | 58 | 61 | 52 | 51 | 68 | 45 | ++ | 50 | 46 | 53 | 52 | 45 | 57 | 18 | 49 | 51 | 56 | 31 | 44 | 52 | 52 | 53 | 1 | 46 | C13 | 623 | 604 |
| C14 | 0 | 45 | 14 | 43 | 53 | 55 | 61 | 55 | 47 | 43 | 39 | 52 | 44 | ++ | 40 | 48 | 46 | 40 | 51 | 19 | 53 | 49 | 51 | 25 | 45 | 46 | 44 | 44 | 0 | 41 | C14 | 715 | 610 |
| E02 | 0 | 42 | 14 | 22 | 32 | 44 | 48 | 50 | 37 | 47 | 48 | 40 | 47 | 49 | ++ | 41 | 46 | 35 | 45 | 16 | 41 | 43 | 56 | 20 | 38 | 44 | 44 | 42 | 1 | 37 | E02 | 699 | 994 |
| E03 | 1 | 49 | 17 | 43 | 47 | 50 | 57 | 54 | 45 | 54 | 56 | 52 | 53 | 54 | 41 | ++ | 51 | 44 | 57 | 19 | 48 | 47 | 55 | 29 | 46 | 53 | 50 | 52 | 1 | 44 | E03 | 509 | 656 |
| E04 | 0 | 47 | 15 | 39 | 44 | 44 | 52 | 52 | 42 | 48 | 52 | 47 | 48 | 48 | 44 | 49 | ++ | 43 | 58 | 19 | 46 | 47 | 54 | 30 | 44 | 51 | 48 | 50 | 3 | 42 | E04 | 612 | 591 |
| E05 | 1 | 51 | 15 | 41 | 50 | 55 | 61 | 59 | 48 | 60 | 61 | 53 | 57 | 58 | 50 | 58 | 54 | ++ | 50 | 15 | 41 | 39 | 47 | 25 | 38 | 44 | 42 | 42 | 1 | 36 | E05 | 758 | 492 |
| E06 | 1 | 45 | 15 | 40 | 47 | 49 | 57 | 51 | 45 | 53 | 56 | 50 | 53 | 52 | 46 | 53 | 50 | 59 | ++ | 21 | 54 | 53 | 59 | 32 | 50 | 54 | 55 | 53 | 1 | 47 | E06 | 699 | 567 |
| S01 | 1 | 16 | 2 | 18 | 16 | 16 | 21 | 18 | 18 | 17 | 19 | 20 | 18 | 17 | 16 | 18 | 15 | 19 | 14 | ++ | 19 | 21 | 24 | 18 | 18 | 19 | 21 | 19 | 0 | 16 | S01 | 737 | 502 |
| S02 | 3 | 48 | 6 | 22 | 48 | 40 | 74 | 50 | 71 | 40 | 55 | 63 | 53 | 53 | 45 | 52 | 47 | 54 | 50 | 18 | ++ | 45 | 52 | 29 | 39 | 54 | 45 | 48 | 1 | 40 | S02 | 537 | 882 |
| S03 | 1 | 49 | 18 | 30 | 45 | 61 | 51 | 56 | 33 | 56 | 55 | 44 | 54 | 56 | 49 | 55 | 50 | 58 | 52 | 8 | 53 | ++ | 48 | 13 | 44 | 52 | 46 | 46 | 1 | 41 | S03 | 687 | 663 |
| S04 | 0 | 50 | 18 | 39 | 43 | 52 | 56 | 53 | 44 | 58 | 54 | 55 | 54 | 58 | 57 | 53 | 51 | 60 | 54 | 21 | 51 | 52 | ++ | 33 | 48 | 56 | 52 | 53 | 2 | 46 | S04 | 1050 | 755 |
| S06 | 1 | 38 | 7 | 24 | 41 | 25 | 45 | 54 | 42 | 26 | 42 | 20 | 37 | 31 | 25 | 33 | 31 | 36 | 33 | 20 | 34 | 7 | 35 | ++ | 24 | 30 | 29 | 30 | 0 | 24 | S06 | 516 | 690 |
| W01 | 1 | 50 | 17 | 34 | 45 | 61 | 54 | 55 | 37 | 54 | 54 | 54 | 53 | 61 | 49 | 57 | 51 | 60 | 52 | 18 | 51 | 57 | 58 | 31 | ++ | 49 | 48 | 46 | 1 | 39 | W01 | 288 | 891 |
| W02 | 2 | 49 | 14 | 37 | 51 | 49 | 54 | 54 | 41 | 53 | 54 | 48 | 46 | 52 | 44 | 51 | 45 | 55 | 51 | 16 | 52 | 49 | 51 | 31 | 59 | ++ | 59 | 53 | 0 | 46 | W02 | 503 | 656 |
| W03 | 1 | 50 | 13 | 41 | 46 | 46 | 57 | 54 | 48 | 53 | 54 | 50 | 50 | 53 | 45 | 51 | 48 | 55 | 52 | 15 | 50 | 54 | 51 | 32 | 57 | 59 | ++ | 52 | 2 | 43 | W03 | 603 | 627 |
| W04 | 1 | 47 | 17 | 41 | 47 | 44 | 58 | 51 | 46 | 51 | 53 | 50 | 51 | 51 | 46 | 51 | 47 | 56 | 49 | 17 | 49 | 50 | 49 | 34 | 54 | 49 | 53 | ++ | 2 | 45 | W04 | 625 | 504 |
| W05 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 9 | ++ | 2 | W05 | 648 | 498 |
| W06 | 0 | 43 | 12 | 32 | 40 | 41 | 50 | 49 | 39 | 43 | 48 | 43 | 44 | 46 | 42 | 46 | 44 | 49 | 44 | 13 | 43 | 45 | 45 | 27 | 50 | 45 | 48 | 46 | 3 | ++ | W06 | 736 | 818 |
| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |

---

---

```
file:/gsbifrdata/08nov/23_014_08nov2012_8s.lta, scan:25, rec:11, chan:64
         VERSION: COR30x2 LTA1.10 DAS1.10 HST03
        OBS_MODE: INDIAN_POLAR    CORR_HOST: GSB   BASELINES: 930   CHANNELS: 512
SCN OBJECT       RA(MEAN)      DEC(MEAN)     DATE         IST        RF(MHz) CW(kHz)    Nrecs
 25 3C147        05h43m35.97 +49d51'26.18" 08/Nov/2012 23:58:02 1261.00    65.104    22
SCN OBJECT       LO1(130)  LO1(175)  LO4(130) LO4(175)  RF(130)    RF(175)    CW   Nrecs
                   MHz       MHz       MHz       MHz       MHz        MHz       kHz
 25 3C147        1210.000  1210.000  149.000  156.000   1261.000  1261.000  65.10  22
```

---

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | ++ | 3 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | C00 | 528 | 456 |
| C01 | 4 | ++ | 6 | 46 | 46 | 43 | 49 | 13 | 14 | 53 | 53 | 59 | 44 | 44 | 46 | 47 | 45 | 38 | 52 | 17 | 43 | 42 | 48 | 30 | 39 | 50 | 49 | 47 | 1 | 40 | C01 | 640 | 1180 |
| C02 | 0 | 13 | ++ | 1 | 2 | 2 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 2 | 0 | 1 | 1 | 1 | 1 | C02 | 574 | 563 |
| C03 | 2 | 41 | 12 | ++ | 57 | 44 | 53 | 38 | 11 | 47 | 61 | 39 | 27 | 60 | 41 | 45 | 43 | 36 | 49 | 17 | 38 | 40 | 45 | 27 | 38 | 43 | 46 | 42 | 0 | 38 | C03 | 260 | 413 |
| C04 | 1 | 51 | 14 | 61 | ++ | 53 | 54 | 59 | 13 | 66 | 47 | 54 | 54 | 60 | 53 | 58 | 52 | 46 | 61 | 20 | 45 | 53 | 55 | 37 | 48 | 60 | 60 | 57 | 2 | 50 | C04 | 639 | 444 |
| C05 | 1 | 48 | 14 | 39 | 52 | ++ | 42 | 65 | 9 | 60 | 54 | 49 | 52 | 50 | 50 | 56 | 50 | 42 | 62 | 22 | 48 | 48 | 57 | 34 | 44 | 55 | 57 | 53 | 1 | 46 | C05 | 600 | 638 |
| C06 | 0 | 64 | 10 | 50 | 64 | 51 | ++ | 45 | 19 | 67 | 57 | 52 | 55 | 44 | 54 | 59 | 57 | 47 | 66 | 22 | 56 | 58 | 60 | 38 | 49 | 61 | 62 | 56 | 1 | 51 | C06 | 630 | 509 |
| C08 | 1 | 14 | 19 | 41 | 54 | 86 | 46 | ++ | 8 | 58 | 53 | 47 | 52 | 49 | 52 | 56 | 50 | 44 | 59 | 20 | 43 | 48 | 59 | 34 | 46 | 55 | 56 | 51 | 0 | 47 | C08 | 1110 | 510 |
| C09 | 1 | 55 | 12 | 45 | 54 | 47 | 64 | 40 | ++ | 18 | 13 | 16 | 13 | 12 | 13 | 13 | 13 | 11 | 16 | 5 | 14 | 11 | 15 | 7 | 12 | 14 | 15 | 12 | 1 | 12 | C09 | 307 | 614 |
| C10 | 0 | 51 | 15 | 48 | 56 | 36 | 70 | 59 | 51 | ++ | 68 | 64 | 60 | 57 | 59 | 61 | 58 | 50 | 68 | 24 | 56 | 55 | 67 | 38 | 49 | 63 | 63 | 59 | 1 | 52 | C10 | 601 | 405 |
| C11 | 0 | 54 | 15 | 59 | 59 | 53 | 70 | 63 | 53 | 62 | ++ | 57 | 51 | 33 | 55 | 58 | 55 | 46 | 64 | 21 | 53 | 52 | 65 | 36 | 49 | 59 | 59 | 56 | 1 | 49 | C11 | 565 | 765 |
| C12 | 2 | 75 | 14 | 47 | 52 | 37 | 68 | 40 | 48 | 55 | 53 | ++ | 56 | 56 | 55 | 56 | 51 | 46 | 60 | 18 | 50 | 53 | 57 | 34 | 47 | 57 | 58 | 53 | 0 | 48 | C12 | 687 | 726 |
| C13 | 2 | 48 | 14 | 42 | 50 | 53 | 58 | 58 | 52 | 53 | 57 | 53 | ++ | 47 | 51 | 55 | 52 | 45 | 62 | 20 | 52 | 59 | 52 | 35 | 45 | 58 | 58 | 54 | 1 | 49 | C13 | 630 | 593 |
| C14 | 1 | 47 | 14 | 47 | 57 | 51 | 60 | 60 | 53 | 63 | 52 | 47 | 59 | ++ | 48 | 51 | 46 | 39 | 52 | 19 | 40 | 48 | 46 | 30 | 42 | 48 | 51 | 48 | 1 | 42 | C14 | 686 | 585 |
| E02 | 1 | 49 | 15 | 45 | 55 | 52 | 56 | 53 | 52 | 56 | 58 | 53 | 55 | 53 | ++ | 52 | 51 | 43 | 58 | 20 | 47 | 50 | 55 | 31 | 46 | 56 | 55 | 51 | 0 | 47 | E02 | 618 | 825 |
| E03 | 1 | 48 | 17 | 47 | 56 | 51 | 60 | 57 | 51 | 55 | 57 | 51 | 53 | 55 | 53 | ++ | 56 | 46 | 63 | 20 | 50 | 53 | 58 | 34 | 47 | 57 | 58 | 55 | 0 | 49 | E03 | 484 | 657 |
| E04 | 0 | 48 | 15 | 41 | 51 | 49 | 54 | 54 | 48 | 52 | 53 | 51 | 52 | 49 | 50 | 49 | ++ | 41 | 60 | 21 | 47 | 50 | 54 | 34 | 42 | 54 | 56 | 54 | 0 | 47 | E04 | 620 | 577 |
| E05 | 0 | 56 | 13 | 48 | 57 | 55 | 63 | 61 | 57 | 57 | 61 | 57 | 60 | 57 | 58 | 57 | 54 | ++ | 51 | 18 | 41 | 43 | 46 | 27 | 36 | 46 | 48 | 46 | 2 | 41 | E05 | 721 | 502 |
| E06 | 0 | 52 | 16 | 50 | 59 | 55 | 63 | 59 | 58 | 59 | 62 | 56 | 58 | 58 | 58 | 58 | 54 | 63 | ++ | 21 | 55 | 57 | 63 | 38 | 51 | 63 | 65 | 59 | 0 | 54 | E06 | 667 | 523 |
| S01 | 0 | 17 | 4 | 14 | 18 | 19 | 18 | 22 | 16 | 17 | 20 | 14 | 18 | 17 | 19 | 18 | 17 | 19 | 18 | ++ | 20 | 21 | 21 | 14 | 15 | 22 | 22 | 20 | 1 | 17 | S01 | 756 | 513 |
| S02 | 0 | 45 | 13 | 44 | 48 | 48 | 58 | 59 | 51 | 50 | 53 | 47 | 52 | 51 | 49 | 50 | 49 | 53 | 54 | 16 | ++ | 61 | 40 | 28 | 29 | 50 | 52 | 49 | 2 | 42 | S02 | 532 | 928 |
| S03 | 0 | 50 | 14 | 44 | 54 | 51 | 59 | 54 | 53 | 55 | 57 | 50 | 48 | 55 | 54 | 54 | 50 | 59 | 60 | 19 | 64 | ++ | 35 | 34 | 44 | 53 | 55 | 51 | 0 | 44 | S03 | 625 | 677 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S04 | 0 | 55 | 15 | 47 | 55 | 56 | 61 | 62 | 55 | 60 | 62 | 57 | 63 | 53 | 58 | 57 | 54 | 60 | 61 | 18 | 48 | 36 | ++ | 35 | 46 | 56 | 59 | 56 | 1 | 51 | S04 | 1018 | 727 |
| S06 | 0 | 34 | 10 | 31 | 37 | 35 | 39 | 37 | 36 | 37 | 38 | 37 | 37 | 36 | 34 | 36 | 35 | 40 | 38 | 13 | 32 | 38 | 39 | ++ | 30 | 33 | 35 | 33 | 0 | 28 | S06 | 467 | 613 |
| W01 | 0 | 50 | 15 | 52 | 59 | 56 | 63 | 58 | 55 | 57 | 62 | 51 | 56 | 59 | 57 | 55 | 55 | 61 | 62 | 18 | 47 | 58 | 58 | 36 | ++ | 47 | 51 | 46 | 1 | 42 | W01 | 284 | 883 |
| W02 | 1 | 53 | 15 | 49 | 58 | 55 | 63 | 58 | 54 | 59 | 63 | 54 | 60 | 58 | 58 | 57 | 52 | 62 | 63 | 19 | 58 | 58 | 62 | 38 | 60 | ++ | 61 | 57 | 0 | 51 | W02 | 461 | 620 |
| W03 | 1 | 56 | 16 | 49 | 59 | 57 | 63 | 59 | 57 | 58 | 63 | 55 | 60 | 59 | 57 | 59 | 54 | 61 | 64 | 18 | 57 | 59 | 60 | 38 | 63 | 64 | ++ | 60 | 0 | 53 | W03 | 524 | 550 |
| W04 | 0 | 48 | 14 | 44 | 53 | 52 | 58 | 56 | 53 | 55 | 55 | 53 | 54 | 53 | 55 | 52 | 50 | 57 | 57 | 18 | 51 | 54 | 57 | 35 | 58 | 57 | 61 | ++ | 2 | 50 | W04 | 637 | 458 |
| W05 | 1 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 3 | ++ | 1 | W05 | 656 | 492 |
| W06 | 2 | 45 | 13 | 40 | 50 | 48 | 53 | 49 | 46 | 49 | 52 | 47 | 48 | 49 | 49 | 49 | 47 | 55 | 52 | 16 | 46 | 50 | 52 | 30 | 51 | 55 | 52 | 51 | 1 | ++ | W06 | 664 | 851 |
| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |

file:/gsbifrdata/08nov/23_014_08nov2012_8s.lta, scan:27, rec:7, chan:64

VERSION: COR30x2 LTA1.10 DAS1.10 HST03

OBS_MODE: INDIAN_POLAR    CORR_HOST: GSB    BASELINES: 930    CHANNELS: 512

| SCN | OBJECT | RA(MEAN) | DEC(MEAN) | DATE | IST | RF(MHz) | CW(kHz) | Nrecs |
|---|---|---|---|---|---|---|---|---|
| 27 | 3C147 | 05h43m35.98 | +49d51'26.18" | 09/Nov/2012 | 00:25:19 | 1261.00 | 65.104 | 15 |

| SCN | OBJECT | LO1(130) MHz | LO1(175) MHz | LO4(130) MHz | LO4(175) MHz | RF(130) MHz | RF(175) MHz | CW kHz | Nrecs |
|---|---|---|---|---|---|---|---|---|---|
| 27 | 3C147 | 1210.000 | 1210.000 | 149.000 | 156.000 | 1261.000 | 1261.000 | 65.10 | 15 |

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | ++ | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | C00 | 529 | 456 |
| C01 | 4 | ++ | 3 | 35 | 48 | 29 | 45 | 63 | 10 | 40 | 50 | 42 | 49 | 40 | 45 | 50 | 42 | 41 | 52 | 14 | 42 | 52 | 52 | 29 | 41 | 48 | 48 | 47 | 1 | 42 | C01 | 676 | 1180 |
| C02 | 0 | 11 | ++ | 1 | 1 | 2 | 1 | 0 | 1 | 1 | 2 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | C02 | 571 | 548 |
| C03 | 0 | 40 | 13 | ++ | 55 | 44 | 48 | 48 | 11 | 66 | 62 | 44 | 57 | 49 | 42 | 45 | 42 | 36 | 49 | 16 | 64 | 42 | 44 | 28 | 37 | 47 | 46 | 44 | 2 | 38 | C03 | 255 | 405 |
| C04 | 1 | 46 | 14 | 41 | ++ | 49 | 60 | 56 | 14 | 58 | 59 | 58 | 52 | 60 | 53 | 57 | 54 | 48 | 62 | 21 | 50 | 52 | 59 | 36 | 48 | 58 | 59 | 59 | 0 | 51 | C04 | 658 | 458 |
| C05 | 3 | 45 | 21 | 47 | 49 | ++ | 92 | 38 | 13 | 56 | 54 | 74 | 53 | 41 | 49 | 55 | 51 | 45 | 58 | 18 | 48 | 63 | 49 | 34 | 45 | 53 | 54 | 53 | 1 | 46 | C05 | 612 | 625 |
| C06 | 0 | 52 | 29 | 52 | 45 | 123 | ++ | 49 | 15 | 54 | 67 | 71 | 61 | 54 | 56 | 61 | 58 | 52 | 67 | 21 | 54 | 60 | 60 | 38 | 53 | 60 | 62 | 61 | 0 | 53 | C06 | 632 | 527 |
| C08 | 1 | 79 | 12 | 52 | 53 | 30 | 45 | ++ | 14 | 61 | 51 | 43 | 55 | 53 | 52 | 56 | 51 | 48 | 60 | 19 | 47 | 36 | 52 | 35 | 45 | 54 | 55 | 55 | 0 | 47 | C08 | 1064 | 493 |
| C09 | 0 | 30 | 17 | 40 | 36 | 45 | 106 | 66 | ++ | 9 | 13 | 16 | 15 | 12 | 13 | 13 | 12 | 10 | 15 | 4 | 15 | 11 | 14 | 8 | 12 | 15 | 13 | 14 | 1 | 13 | C09 | 306 | 660 |
| C10 | 2 | 48 | 13 | 57 | 50 | 63 | 42 | 57 | 25 | ++ | 62 | 58 | 57 | 51 | 57 | 61 | 56 | 50 | 66 | 22 | 65 | 60 | 62 | 39 | 51 | 61 | 60 | 61 | 2 | 54 | C10 | 612 | 405 |
| C11 | 1 | 52 | 17 | 72 | 35 | 49 | 69 | 58 | 74 | 57 | ++ | 60 | 70 | 47 | 54 | 58 | 56 | 49 | 64 | 20 | 85 | 53 | 57 | 35 | 49 | 58 | 59 | 57 | 2 | 52 | C11 | 576 | 858 |
| C12 | 1 | 49 | 15 | 50 | 50 | 65 | 84 | 44 | 92 | 46 | 61 | ++ | 53 | 47 | 54 | 58 | 53 | 48 | 63 | 21 | 55 | 54 | 58 | 35 | 46 | 57 | 57 | 57 | 1 | 49 | C12 | 698 | 688 |
| C13 | 2 | 51 | 10 | 55 | 35 | 50 | 58 | 61 | 58 | 43 | 94 | 53 | ++ | 51 | 54 | 57 | 54 | 47 | 62 | 21 | 66 | 53 | 56 | 35 | 47 | 56 | 57 | 56 | 0 | 46 | C13 | 628 | 590 |
| C14 | 1 | 47 | 10 | 43 | 76 | 43 | 47 | 59 | 43 | 40 | 39 | 50 | 61 | ++ | 48 | 52 | 47 | 44 | 56 | 19 | 42 | 47 | 52 | 31 | 43 | 52 | 52 | 53 | 2 | 45 | C14 | 677 | 606 |
| E02 | 0 | 53 | 14 | 46 | 51 | 50 | 56 | 52 | 48 | 53 | 56 | 51 | 53 | 53 | ++ | 55 | 52 | 44 | 60 | 20 | 49 | 51 | 55 | 35 | 46 | 54 | 55 | 55 | 1 | 48 | E02 | 588 | 845 |
| E03 | 1 | 51 | 13 | 46 | 52 | 52 | 58 | 59 | 51 | 55 | 58 | 53 | 56 | 54 | 54 | ++ | 57 | 49 | 63 | 21 | 51 | 53 | 61 | 36 | 47 | 60 | 60 | 59 | 0 | 49 | E03 | 485 | 668 |
| E04 | 1 | 45 | 13 | 40 | 48 | 45 | 50 | 51 | 44 | 49 | 50 | 47 | 49 | 48 | 47 | 45 | ++ | 47 | 59 | 19 | 47 | 51 | 54 | 34 | 44 | 55 | 55 | 53 | 0 | 48 | E04 | 600 | 620 |
| E05 | 0 | 52 | 14 | 47 | 54 | 53 | 56 | 58 | 51 | 55 | 59 | 55 | 58 | 55 | 55 | 54 | 48 | ++ | 54 | 18 | 41 | 46 | 46 | 29 | 41 | 50 | 50 | 49 | 1 | 42 | E05 | 744 | 547 |
| E06 | 0 | 51 | 15 | 47 | 54 | 52 | 57 | 57 | 52 | 56 | 60 | 55 | 56 | 55 | 57 | 58 | 51 | 62 | ++ | 23 | 56 | 58 | 62 | 39 | 54 | 63 | 64 | 65 | 0 | 55 | E06 | 694 | 547 |
| S01 | 1 | 12 | 4 | 16 | 18 | 18 | 16 | 21 | 10 | 19 | 17 | 17 | 19 | 18 | 17 | 18 | 16 | 18 | 18 | ++ | 19 | 19 | 19 | 12 | 18 | 21 | 22 | 19 | 0 | 18 | S01 | 766 | 473 |
| S02 | 0 | 47 | 15 | 63 | 22 | 48 | 56 | 51 | 61 | 61 | 127 | 58 | 71 | 31 | 50 | 51 | 45 | 53 | 54 | 16 | ++ | 44 | 53 | 28 | 45 | 51 | 53 | 50 | 1 | 43 | S02 | 561 | 895 |
| S03 | 0 | 55 | 14 | 46 | 56 | 81 | 80 | 41 | 33 | 62 | 51 | 49 | 56 | 55 | 60 | 55 | 49 | 57 | 57 | 19 | 46 | ++ | 53 | 35 | 43 | 54 | 55 | 52 | 1 | 45 | S03 | 636 | 673 |
| S04 | 1 | 52 | 14 | 48 | 56 | 49 | 50 | 56 | 51 | 56 | 60 | 55 | 55 | 55 | 54 | 60 | 50 | 56 | 58 | 19 | 55 | 57 | ++ | 38 | 48 | 56 | 57 | 57 | 1 | 48 | S04 | 1037 | 758 |
| S06 | 2 | 33 | 8 | 31 | 36 | 30 | 37 | 39 | 31 | 36 | 29 | 35 | 42 | 35 | 34 | 33 | 31 | 35 | 36 | 11 | 28 | 37 | 36 | ++ | 30 | 36 | 36 | 36 | 1 | 31 | S06 | 458 | 623 |
| W01 | 2 | 55 | 14 | 49 | 51 | 53 | 56 | 56 | 53 | 52 | 69 | 55 | 56 | 56 | 55 | 54 | 49 | 57 | 58 | 18 | 59 | 57 | 57 | 39 | ++ | 47 | 49 | 47 | 0 | 41 | W01 | 285 | 884 |
| W02 | 1 | 53 | 14 | 49 | 59 | 56 | 61 | 57 | 53 | 58 | 60 | 59 | 57 | 60 | 56 | 59 | 51 | 60 | 61 | 19 | 55 | 59 | 58 | 37 | 57 | ++ | 58 | 59 | 0 | 51 | W02 | 450 | 651 |
| W03 | 0 | 54 | 15 | 49 | 56 | 53 | 57 | 60 | 51 | 57 | 62 | 56 | 59 | 59 | 55 | 58 | 53 | 58 | 59 | 18 | 55 | 59 | 60 | 36 | 62 | 62 | ++ | 59 | 1 | 53 | W03 | 528 | 552 |
| W04 | 1 | 52 | 14 | 48 | 56 | 55 | 55 | 58 | 51 | 56 | 60 | 55 | 56 | 58 | 55 | 57 | 48 | 57 | 59 | 17 | 52 | 57 | 56 | 33 | 58 | 60 | 62 | ++ | 1 | 52 | W04 | 607 | 443 |
| W05 | 0 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | ++ | 2 | W05 | 645 | 492 |
| W06 | 0 | 45 | 13 | 41 | 48 | 47 | 49 | 49 | 44 | 48 | 51 | 48 | 47 | 50 | 47 | 47 | 45 | 48 | 49 | 16 | 44 | 47 | 47 | 30 | 48 | 53 | 52 | 51 | 1 | ++ | W06 | 657 | 883 |
| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |

**23_014_08nov2012_8s.lta.MTX          Fri Nov 09 08:56:26 2012          5**

```
file:/gsbifrdata/08nov/23_014_08nov2012_8s.lta, scan:29, rec:10, chan:64
         VERSION: COR30x2 LTA1.10 DAS1.10 HST03
        OBS_MODE: INDIAN_POLAR    CORR_HOST: GSB   BASELINES: 930   CHANNELS: 512
SCN OBJECT       RA(MEAN)      DEC(MEAN)     DATE         IST         RF(MHz) CW(kHz)    Nrecs
 29 3C147        05h43m35.98 +49d51'26.18" 09/Nov/2012 00:57:35 1261.00   65.104   21
SCN OBJECT       LO1(130)  LO1(175)  LO4(130) LO4(175)  RF(130)    RF(175)    CW   Nrecs
                   MHz       MHz       MHz      MHz       MHz        MHz      kHz
 29 3C147        1210.000  1210.000  149.000  156.000   1261.000  1261.000  65.10  21
```

| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | ++ | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | C00 | 528 | 456 |
| C01 | 5 | ++ | 4 | 44 | 39 | 17 | 48 | 33 | 17 | 49 | 52 | 23 | 42 | 46 | 40 | 42 | 42 | 32 | 46 | 15 | 25 | 41 | 44 | 26 | 38 | 44 | 47 | 44 | 0 | 38 | C01 | 700 | 1222 |
| C02 | 4 | 16 | ++ | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 1 | 3 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 1 | C02 | 575 | 547 |
| C03 | 1 | 48 | 11 | ++ | 67 | 27 | 45 | 43 | 10 | 54 | 18 | 40 | 4 | 98 | 38 | 43 | 44 | 31 | 49 | 16 | 36 | 42 | 46 | 31 | 36 | 45 | 45 | 44 | 0 | 38 | C03 | 264 | 472 |
| C04 | 1 | 45 | 14 | 76 | ++ | 45 | 53 | 57 | 12 | 63 | 22 | 54 | 36 | 66 | 52 | 55 | 55 | 39 | 59 | 20 | 52 | 50 | 56 | 34 | 47 | 55 | 59 | 55 | 1 | 47 | C04 | 630 | 441 |
| C05 | 0 | 29 | 27 | 18 | 47 | ++ | 101 | 62 | 5 | 66 | 58 | 87 | 62 | 34 | 50 | 50 | 51 | 36 | 55 | 17 | 77 | 48 | 52 | 32 | 45 | 49 | 55 | 52 | 1 | 44 | C05 | 632 | 645 |
| C06 | 1 | 55 | 48 | 46 | 48 | 137 | ++ | 55 | 23 | 147 | 68 | 54 | 61 | 55 | 57 | 56 | 56 | 42 | 64 | 21 | 47 | 53 | 56 | 35 | 48 | 56 | 63 | 59 | 0 | 51 | C06 | 647 | 541 |
| C08 | 1 | 46 | 11 | 44 | 54 | 72 | 52 | ++ | 10 | 63 | 57 | 79 | 55 | 46 | 51 | 56 | 56 | 39 | 60 | 21 | 63 | 51 | 56 | 35 | 47 | 53 | 58 | 54 | 0 | 47 | C08 | 1039 | 495 |
| C09 | 2 | 62 | 28 | 47 | 49 | 19 | 79 | 49 | ++ | 25 | 11 | 9 | 12 | 14 | 11 | 13 | 13 | 11 | 13 | 5 | 8 | 14 | 13 | 8 | 11 | 13 | 14 | 13 | 1 | 11 | C09 | 313 | 626 |
| C10 | 0 | 48 | 47 | 70 | 47 | 88 | 163 | 58 | 70 | ++ | 59 | 55 | 56 | 28 | 55 | 59 | 57 | 44 | 63 | 23 | 50 | 53 | 61 | 39 | 49 | 56 | 61 | 59 | 0 | 51 | C10 | 626 | 438 |
| C11 | 1 | 62 | 17 | 107 | 43 | 68 | 73 | 57 | 44 | 62 | ++ | 57 | 94 | 45 | 51 | 56 | 54 | 41 | 62 | 21 | 50 | 52 | 57 | 37 | 47 | 53 | 58 | 56 | 0 | 48 | C11 | 595 | 884 |
| C12 | 1 | 71 | 8 | 38 | 53 | 107 | 49 | 103 | 26 | 44 | 53 | ++ | 56 | 46 | 51 | 56 | 54 | 40 | 59 | 19 | 80 | 53 | 57 | 37 | 49 | 56 | 58 | 56 | 1 | 48 | C12 | 770 | 743 |
| C13 | 0 | 46 | 14 | 137 | 28 | 73 | 62 | 53 | 43 | 47 | 179 | 54 | ++ | 59 | 52 | 54 | 53 | 40 | 60 | 20 | 52 | 51 | 54 | 34 | 45 | 54 | 56 | 55 | 0 | 47 | C13 | 635 | 633 |
| C14 | 0 | 53 | 13 | 184 | 49 | 39 | 51 | 52 | 56 | 37 | 63 | 28 | 103 | ++ | 45 | 47 | 46 | 35 | 52 | 19 | 37 | 44 | 47 | 32 | 39 | 48 | 53 | 50 | 1 | 42 | C14 | 705 | 649 |
| E02 | 0 | 45 | 14 | 33 | 51 | 52 | 52 | 55 | 46 | 52 | 55 | 49 | 48 | 49 | ++ | 51 | 52 | 37 | 55 | 18 | 49 | 48 | 53 | 30 | 43 | 50 | 55 | 53 | 1 | 43 | E02 | 584 | 844 |
| E03 | 1 | 40 | 12 | 39 | 48 | 47 | 48 | 54 | 46 | 50 | 53 | 50 | 47 | 48 | 46 | ++ | 55 | 41 | 60 | 19 | 50 | 52 | 54 | 37 | 47 | 54 | 58 | 56 | 1 | 47 | E03 | 517 | 738 |
| E04 | 0 | 37 | 15 | 38 | 47 | 45 | 48 | 53 | 45 | 47 | 51 | 47 | 43 | 48 | 47 | 45 | ++ | 40 | 62 | 20 | 51 | 51 | 53 | 37 | 47 | 53 | 57 | 55 | 0 | 47 | E04 | 604 | 633 |
| E05 | 1 | 38 | 13 | 35 | 44 | 43 | 47 | 49 | 43 | 46 | 49 | 46 | 43 | 46 | 46 | 46 | 38 | ++ | 44 | 13 | 35 | 36 | 39 | 25 | 33 | 39 | 43 | 40 | 0 | 31 | E05 | 758 | 559 |
| E06 | 1 | 45 | 15 | 39 | 50 | 50 | 53 | 57 | 51 | 50 | 56 | 52 | 51 | 51 | 50 | 49 | 47 | 41 | ++ | 21 | 53 | 55 | 60 | 39 | 51 | 59 | 65 | 61 | 0 | 53 | E06 | 676 | 531 |
| S01 | 3 | 11 | 6 | 14 | 17 | 16 | 15 | 18 | 16 | 17 | 20 | 18 | 17 | 17 | 16 | 16 | 13 | 14 | 18 | ++ | 22 | 21 | 20 | 13 | 17 | 20 | 20 | 21 | 2 | 17 | S01 | 778 | 464 |
| S02 | 0 | 79 | 9 | 33 | 50 | 109 | 54 | 104 | 23 | 47 | 45 | 137 | 49 | 33 | 46 | 45 | 43 | 41 | 48 | 13 | ++ | 45 | 53 | 31 | 43 | 48 | 54 | 53 | 1 | 44 | S02 | 541 | 1002 |
| S03 | 0 | 53 | 15 | 38 | 51 | 54 | 53 | 52 | 49 | 48 | 60 | 48 | 54 | 50 | 54 | 51 | 45 | 45 | 52 | 18 | 43 | ++ | 56 | 35 | 44 | 51 | 54 | 53 | 0 | 43 | S03 | 638 | 671 |
| S04 | 0 | 43 | 14 | 42 | 51 | 52 | 53 | 57 | 49 | 53 | 56 | 54 | 51 | 52 | 56 | 49 | 46 | 47 | 51 | 18 | 50 | 60 | ++ | 42 | 48 | 54 | 58 | 56 | 4 | 48 | S04 | 979 | 831 |
| S06 | 1 | 27 | 8 | 32 | 34 | 31 | 30 | 35 | 33 | 29 | 35 | 35 | 27 | 33 | 26 | 35 | 30 | 29 | 35 | 10 | 31 | 41 | 50 | ++ | 30 | 35 | 37 | 37 | 2 | 31 | S06 | 468 | 699 |
| W01 | 3 | 47 | 15 | 41 | 55 | 58 | 56 | 60 | 51 | 53 | 58 | 54 | 56 | 48 | 55 | 51 | 49 | 49 | 56 | 18 | 52 | 58 | 55 | 37 | ++ | 47 | 48 | 47 | 1 | 41 | W01 | 282 | 858 |
| W02 | 1 | 44 | 14 | 46 | 52 | 50 | 50 | 57 | 50 | 49 | 55 | 50 | 48 | 50 | 50 | 49 | 47 | 45 | 52 | 17 | 48 | 53 | 53 | 36 | 58 | ++ | 58 | 54 | 0 | 48 | W02 | 429 | 650 |
| W03 | 0 | 48 | 17 | 43 | 55 | 53 | 58 | 60 | 54 | 56 | 60 | 54 | 52 | 57 | 55 | 54 | 49 | 47 | 57 | 17 | 52 | 56 | 55 | 35 | 61 | 57 | ++ | 62 | 2 | 52 | W03 | 524 | 564 |
| W04 | 1 | 44 | 13 | 38 | 52 | 50 | 55 | 57 | 49 | 54 | 58 | 51 | 51 | 51 | 50 | 51 | 47 | 46 | 53 | 14 | 46 | 53 | 52 | 34 | 55 | 52 | 55 | ++ | 0 | 51 | W04 | 610 | 499 |
| W05 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | ++ | 0 | W05 | 646 | 494 |
| W06 | 1 | 41 | 13 | 38 | 48 | 47 | 50 | 52 | 48 | 49 | 53 | 47 | 47 | 48 | 48 | 47 | 44 | 45 | 51 | 16 | 45 | 47 | 46 | 30 | 53 | 48 | 53 | 50 | 1 | ++ | W06 | 634 | 897 |
| ANT | C00 | C01 | C02 | C03 | C04 | C05 | C06 | C08 | C09 | C10 | C11 | C12 | C13 | C14 | E02 | E03 | E04 | E05 | E06 | S01 | S02 | S03 | S04 | S06 | W01 | W02 | W03 | W04 | W05 | W06 | ANT | 130P | 175P |