14 February 2012

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**Committee on the Peaceful Uses of Outer Space**
**Scientific and Technical Subcommittee**
**Forty-ninth session**
Vienna, 6-17 February 2012
Item 15 of the agenda*

# Actual situation in the Geostationary Orbit

Information provided by the delegation of the Czech Republic

* A/AC.105/C.1/L.310. Item 15. "Examination of the physical nature and technical attributes of the geostationary orbit and its utilization and applications, including in the field of space communications, as well as other questions relating to developments in space communications, taking particular account of the needs and interests of developing countries, without prejudice to the role of the International Telecommunication Union".

V.12-50795 (E)

# Actual situation in the Geostationary Orbit

**Information on a Technical Presentation by the Czech delegation to be held on 15 February 2012 at the end of the afternoon session of the Subcommittee**

There are two data bases dealing with radio transmissions from the Geostationary Orbit. One is the Space Network List maintained by the International Telecommunication Union. The other is the Online Index of Objects Launched into Outer Space, maintained by the OOSA and in the Classification of Geosynchronous Satellites published yearly by the European Space Agency Operation Center (ESOC) in Darmstadt. An important aspect is the matching of the Space Networks Radio Stations with satellites operating at the same orbital positions. The study may contribute to improve the efficiency of the Use of the geostationary orbit.

The presentation will be downloadable on Scientific and Technical Subcommittee website http://www.unoosa.org/oosa/en/COPUOS/stsc/2012/presentations.html, for actual tables please contact Mr. Lubos Perek (perek@ig.cas.cz).

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# Annex I

# Comparison Table of Space Networks and Satellites

The Table lists “notified space networks” and “active satellites” at orbital positions in the geostationary orbit. All notified space networks operating at the same orbital positions are contained within horizontal lines. “Notified” means space networks which have been announced to and coordinated by procedures of the International Telecommunication Union and published in dated editions of the online ITU Space Network List (www.itu.int/ITU-R/space/snl). These networks enjoy international recognition and protection against harmful interference. Following columns show the administration (country or its part – Adm), the organization operating the network (Ntwk Org) and the Space Network Name. That last item appears in ITU documents as “Sat_Name” but in fact it refers to the Space Network Name (i.e. item in a document), not to a Satellite (spacecraft, vehicle in space).

The right-hand part of the Table lists satellites located in the geostationary orbit at, or close to, the nominal orbital position. The first column gives the COSPAR international designator (year of launch, serial number of launch in that year, and serial letter of the object). The designator identifies the satellite in a unique way and for its lifetime. The following column gives the name, or one of the names, of the satellite. The last but one column shows the observed longitude (East, West) at the date, month and year, in the last column. That information comes from the US Space Surveillance Network. It is published in the Two Line Elements, www.ghrs.msfc.nasa.gov/orbit/tleformat.html. Processed values appear in the Encyclopaedia of Satellites and Probes of the Czech Academy of Sciences, author A. Vítek at www.lib.cas.cz/space40.

Orbital positions of some satellites not published in the Two Line Elements have been observed by the International Scientific Optical Network (Keldysh Institute of Applied Mathematics Moscow) and published in Table 2 of the yearly issue of the Classification of Geosynchronous Objects, ESA-ESOC, Darmstadt. These positions are denoted „end of yyyy“.

No entry in the right-hand side of the Table means that no satellite was at that position and consequently the space networks at the left-hand side had no means of radio transmissions.

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# Comparison Table of Space Networks and Satellites

Version of 10 Feb 2012

| SPACE NETWORKS - NOTIFIED | | | | SATELLITES IN THE GEOSTATIONARY ORBIT | | | |
|---|---|---|---|---|---|---|---|
| **Nom. Long.** | **Adm** | **Ntwk Org** | **Space Network Name** | **COSPAR Int. Designation** | **Satellite Name** | **Longitude** (mean) | **TLE date** |
| **0.00 E** | F | ESA | MSG | 2005-049B | MSG 2 (Meteosat 9) | 0.44W | Dec 2011 |
| | USA | | USCID-A1 | | | | |
| **1.00 E** | RUS | | VOLNA-21 | | | | |
| | RUS | | GALS-15 | | | | |
| | RUS | | TOR-15M | | | | |
| | RUS | | STATSIONAR-22 | | | | |
| | HOL | | NSS-32 suspended | | | | |
| **2.00 E** | HOL | | NSS-20 | 1994-070A | Astra 1D | drifting | |
| | | | | 1993-031A | Astra 1C, i=4.75 | 1.87E | Dec 2011 |
| **3.00 E** | F | | TELECOM-2C | 2010-037B | RASCOM-QAF 1R | 2.88E | Dec 2011 |
| | F | | TELECOM 3C | 2009-008B | Hot Bird 10 | 3.11E | Dec 2011 |
| | F | | SYRACUSE-3F | 2007-021A | Sinosat 3 (planned 125E) | 3.32E | Dec 2011 |
| | F | | VIDEOSAT-8-KU-C | | | | |
| | F | | SYRACUSE-31F | | | | |
| | F | | TELECOM-4C | 2009-008B | Atlantic Bird 4A | 3.11E | Dec 2011 |
| | F | | GEOSAT-3E | | | | |
| **4.00 E** | F | EUT | EUTELSAT 2-4E | 2000-052A | Eutelsat W1 | 3.99E | Dec 2011 |
| | USA | | MILSTAR 13 | | | | |
| | USA | | USGAE-2 | | | | |
| | F | EUT | EUTELSAT 3-4E | | | | |
| | F | | F-SAT-KU2-E-4E | | | | |
| **4.80 E** | S | | SIRIUS-2 | 2007-057A | Sirius 4 | 4.82E | Dec 2011 |
| **5.00 E** | USA | | USMB-5 | | | | |
| | S | | SIRIUS-3B | | | | |
| | S | | SIRIUS-P | | | | |
| | S | NOT | TELE-X | | | | |
| | LUX | | LUX-G3-2 | 1995-055A | Astra 1E, i=1.40 | 4.95E | Dec 2011 |
| **5.50 E** | CTI | RAS | RASCOM-C | | | | |
| **5.70 E** | MLA | | MEASAT-SA1 suspended | | | | |
| | MLA | | MEASAT-5.7E suspended | | | | |
| **6.00 E** | G | | SKYNET-4B | | | | |
| | G | | SKYNET-4K | | | | |
| | G | | SKYNET-5C | 2007-007B | Skynet 5A | 5.96E | Dec 2011 |
| **7.00 E** | F | EUT | EUTELSAT 2-7E | | | | |
| | USA | | USMB-6 | | | | |
| | F | EUT | EUTELSAT 3-7E | 2004-008A | Eutelsat W3A | 7.01E | Dec 2011 |
| | F | EUT | EUTELSAT-KA-7E | | | | |
| | F | EUT | EUTELSAT-B1-7E | | | | |
| | F | | F-SAT-KU2-E-7E | | | | |
| | F | EUT | EUTELSAT 1-3 | | | | |
| **8.00 E** | RUS | | VOLNA-15 | | | | |
| | RUS | | STATSIONAR-18 | | | | |
| | RUS | | GALS-7 | | | | |
| | RUS | | TOR-8M | | | | |
| **8.50 E** | USA | | USGON-2 | | | | |
| **9.00 E** | F | | F-SATDAB-1B | 2006-007B | Hot Bird 7A | 9.00E | Dec 2011 |
| **10.00 E** | F | EUT | EUTELSAT 2-10E | 2009-016A | Eutelsat W2A | 10.06E | Dec 2011 |
| | F | EUT | EUTELSAT 3-10E | 2010-064A | KA SAT | 9.02E | Dec 2011 |
| | F | ESA | MSG-S1 | 2002-040B | MSG 1, i=0.97 | 9.71E | Dec 2011 |
| | BEL | | SATCOM-4/10E | | | | |
| | F | | 3GSAT-G17R | | | | |
| | F | | F-SAT-C-E-10E | | | | |
| | F | | F-SAT-KU2-E-10E | | | | |
| **11.80 E** | I | | SICRAL-3H | 2009-020A | SICRAL 1B | 11.84E | Dec 2011 |
| | | | | 1990-021A | Intelsat VI F-3, i=8.48 | 11.53E | Dec 2011 |
| **12.00 E** | RUS | | PROGNOZ-2 | 2009-010A | Raduga 1-8, i=1.60 | 12.15E | Dec 2011 |
| | RUS | | TOR-18M | | | | |
| | RUS | | GALS-17 | | | | |
| | RUS | | STATSIONAR-27 | | | | |
| | RUS | | VOLNA-27 | | | | |

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|---|---|---|---|---|---|---|---|
| **13.00 E** | F | EUT | EUTELSAT 2-13E | 2008-065A | Hot Bird 9 | 13.01E | Dec 2011 |
| | F | EUT | EUTELSAT 3-13E | 2006-032A | Hot Bird 8 | 13.09E | Dec 2011 |
| | F | EUT | EUTELSAT-B1-13E | 2002-038A | Hot Bird 6 | 13.11E | Dec 2011 |
| | F | EUT | EUTELSAT-KA-13E | 2010-021B | COMSATBw-2 | 13.19E | Dec 2011 |
| | F | | F-SAT-KA-E-13E | | | | |
| | D | | GENESIS-8 | | | | |
| | F | | F-SAT-KU2-E-13E | | | | |
| **14.00 E** | RUS | | TOR-12M | | | | |
| **15.00 E** | RUS | | GALS-12 | | | | |
| | RUS | | VOLNA-23 | | | | |
| | RUS | | STATSIONAR-23 | | | | |
| **16.00 E** | F | EUT | EUTELSAT 2-16E | 2011-057A | Eutelsat W3C | 15.12E | Dec 2011 |
| | F | EUT | EUTELSAT 3-16E | 1998-013A | Hot Bird 4 | 15.77E | Dec 2011 |
| | F | | F-SAT-KU2-E-16E | | | | |
| | F | EUT | EUTELSAT-KA-16E | 2000-019A | Sesat | 15.99E | Dec 2011 |
| | F | EUT | EUTELSAT-B1-16E | 2008-065B | Eutelsat W2M | drifting | |
| **16.20 E** | I | | SICRAL-2A | 2001-005A | Sicral, i=3.53 | 16.13E | Dec 2011 |
| | I | | SICRAL-3A | | | | |
| **16.50 E** | F | | SATDAB-3A | | | | |
| **17.00 E** | RUS | IK | INTERSPUTNIK-17E | 1995-064A | AsiaSat 2 | drifting | |
| | RUS | IK | INTERSPUTNIK-17E-CK | 2011-074A | Amos 5 drifting to planned | 17 E | Jan 2012 |
| **19.00 E** | LUX | | LUX-KA-19E | | | | |
| **19.20 E** | LUX | | GDL-7 | 2008-057A | Astra 1M | 19.17E | Dec 2011 |
| | LUX | | GDL-6 | 1999-033A | Astra 1H | 19.23E | Dec 2011 |
| | LUX | | LUX-G3-19.2E | 2006-012A | Astra 1KR | 19.15E | Dec 2011 |
| | | | | 2007-016A | Astra 1L | 19.19E | Dec 2011 |
| | | | | 2001-025A | Astra 2C | 19.22E | Dec 2011 |
| **20.00 E** | ARS | ARB | ARABSAT 2-C | 1996-063A | Arabsat 2B | 20.01E | Dec 2011 |
| | | | | 2011-049B | SES-2 | 20.00E | Dec 2011 |
| **21.00 E** | USA | | AFRIBSS | 1998-063A | AfriStar 1 | 20.98E | Dec 2011 |
| **21.50 E** | F | ESA | ARTEMIS-21.5E-DR | 2001-029A | Artemis i=9.54 | 21.18E | Dec 2011 |
| | F | EUT | EUTELSAT 2-21.5E | | | | |
| | F | ESA | ARTEMIS-21.5E-LM | | | | |
| | F | EUT | EUTELSAT 3-21.5E | 1999-018A | Eutelsat W3 | 21.57E | Dec 2011 |
| | F | ESA | ARTEMIS-21.5-NAV | | | | |
| | F | EUT | EUTELSAT 1-5 | | | | |
| **23.00 E** | RUS | | VOLNA-17 | | | | |
| | RUS | | GALS-8 | | | | |
| | RUS | | STATSIONAR-19 | | | | |
| **23.30 E** | | | | 1997-025A | Thor II, i=3.25 | 23.30E | Dec 2011 |
| **23.50 E** | D | | DFS II-1 | 2002-015B | Astra 3A | 23.47E | Dec 2011 |
| | D | | DFS-1 | 2010-021A | Astra 3B | 23.48E | Dec 2011 |
| **24.00 E** | RUS | | TOR-7M | | | | |
| **24.20 E** | LUX | | LUX-24.2E | | | | |
| | LUX | | LUX-G3-24.2E | | | | |
| **25.00 E** | G | | INMARSAT-3 IOR WEST | 1998-006B | Inmarsat-3 F5, i=1.42 | 24.72E | Dec 2011 |
| | G | | INMARSAT-4 25E | 2005-044A | Inmarsat 4 F2, i=2.22 | 25.11E | Dec 2011 |
| **25.50 E** | F | EUT | EUTELSAT 1-8 | 1998-057A | Hot Bird 5 | 25.52E | Dec 2011 |
| | F | EUT | EUTELSAT-KA-25.5E | | | | |
| | F | EUT | EUTELSAT-B1-25.5E | | | | |
| | F | EUT | EUTELSAT 3-25.5E | | | | |
| | F | | F-SAT-KU3-E-25.5E | | | | |
| **26.00 E** | IRN | | ZOHREH-2 | | | | |
| | ARS | ARB | ARABSAT 2-B | 2010-025A | Badr 5 = Arabsat 5B | 26.00E | Dec 2011 |
| | ARS | ARB | ARABSAT 1-B | 2006-051A | Badr 4 = Arabsat 4B | 26.01E | Dec 2011 |
| | ARS | ARB | ARABSAT-EXT-C2 | 2008-034B | Badr 6 = Arabsat 3C | 26.03E | Dec 2011 |
| | ARS | ARB | ARABSAT-KA-26E | | | | |
| **28.20 E** | LUX | | LUX-28.2E | 1998-050A | Astra 2A | 28.17E | Dec 2011 |
| | ARS | ARB | ARABSAT 5B-26E | 2000-081A | Astra 2D | 28.16E | Dec 2011 |
| | | | | 2000-054A | Astra 2B | 28.22E | Dec 2011 |
| **28.50 E** | D | | DFS II-2 | 2001-011A | Eurobird 1 | 28.48E | Dec 2011 |
| | D | | DFS-2 | 2011-041A | Astra 1N | 28.33E | Dec 2011 |
| **28.75 E** | UAE | | EMARSAT-1L/M suspended | | | | |
| **29.00 E** | USA | | FLTSATCOM-C INDOC-1 | 1993-056A | USA 95 (UFO F2),i=6.43 | 29.24E | end2010 |
| | E | | SECOMSAT B29E | 2005-005A | XTAR-EUR | 29.02E | Dec 2011 |

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|---|---|---|---|---|---|---|---|
| **30.00 E** | USA | | USGAE-16R | 2002-001A | USA 164 (Milstar-2 F3), i=3.87 | 29.98E | end2010 |
| **30.50 E** | ARS | ARB | ARABSAT 2-A | 2010-032B | Arabsat 5A = Badr 5A | 30.50E | end2010 |
| | ARS | ARB | ARABSAT-KA-30.5E | | | | |
| **31.00 E** | ARS | ARB | ARABSAT 1-C | | | | |
| | TUR | | TURKSAT-1B suspended | | | | |
| | TUR | | TURKSAT-K1 suspended | | | | |
| | TUR | | TURKSAT-1B | 1996-030B | Amos 1,2009=Intelsat 24,i=2.26 | 30.92E | Dec 2011 |
| | TUR | | TURKSAT-2B | | | | |
| | | | | 1997-076A | Astra 1G | 31.49E | Dec 2011 |
| **33.00 E** | USA | | USASAT-55I | | | | |
| | F | EUT | EUTELSAT 2-33E | 2003-043A | Eurobird 3 | 33.10E | Dec 2011 |
| | F | EUT | EUTELSAT 3-33E | | | | |
| | F | EUT | EUTELSAT-KA-33E | | | | |
| | USA | | INTELSAT5 33E | | | | |
| | USA | | INTELSAT7 33E | | | | |
| | USA | | INTELSAT8 33E | | | | |
| | USA | | INTELSAT8 33E | | | | |
| | USA | | INTELSAT9 33E | 2011-016A | Intelsat New Dawn | 32.79E | Dec 2011 |
| | USA | | USASAT-60N | | | | |
| | | | | 2008-011A | AMC 14, i=15.12 | 33.59E | Dec 2011 |
| | | | | 1993-076A | NATO IV B, USA98, i=8.97 | 34.19E | Dec 2011 |
| **35.00 E** | RUS | | PROGNOZ-3 | | | | |
| | RUS | | STATSIONAR-D3 | 1999-009B | Skynet 4E, i=6.60 | 35.17E | Dec 2011 |
| | RUS | | TOR-2M | | | | |
| | RUS | | STATSIONAR-2 | | | | |
| | RUS | | GALS-6 | | | | |
| | RUS | | VOLNA-11 | | | | |
| **36.00 E** | RUS | | RST-1 | | | | |
| | F | EUT | EUTELSAT 2-36E | 2009-065A | Eutelsat W7 | 35.91E | Dec 2011 |
| | F | EUT | EUTELSAT 3-36E | 2000-028A | Eutelsat W4 | 36.10E | Dec 2011 |
| | F | | F-SAT-KU3-E-36E | | | | |
| | F | EUT | EUTELSAT-B1-36E | | | | |
| **38.00 E** | PAK | | PAKSAT-1 | 1996-006A | Palapa C1 =PakSat 1 | 38.20E | Dec 2011 |
| | PAK | | PAKSAT-1R | 2011-042A | PakSat-1R | 37.99E | Dec 2011 |
| **39.00 E** | GRC | | HELLAS-SAT | 2003-020A | Hellas Sat 2 | 39.01E | Dec 2011 |
| | CYP | | KYPROS-SAT-C | | | | |
| | CYP | | KYPROS-SAT-L4 | | | | |
| | CYP | | KYPROS-SAT-KA3 susp. | | | | |
| **39.50 E** | G | | DJCF-1A | | | | |
| **40.00 E** | RUS | | LOUTCH-7 | 2004-043A | Ekspress AM-1, i=1.41 | 40.06E | Dec 2011 |
| | RUS | | EXPRESS-4 | | | | |
| | RUS | | EXPRESS-4B | | | | |
| | RUS | | VOLNA 4R | | | | |
| **42.00 E** | TUR | | TURKSAT 1D | 2008-030B | Turksat 3A | 42.01E | Dec 2011 |
| | TUR | | TURKSAT-K2 | 2001-002A | Turksat 2A (Eurasiasat 1) | 41.98E | Dec 2011 |
| | TUR | | TURKSAT-KX | 2011-077A | NigComSat-1B moving to 42.5E | | |
| | TUR | | TURKSAT-1A | | | | |
| **44.00 E** | USA | | USGGR-4 | 1989-035A | USA 37 | drifting | |
| | USA | | USCSID-A2 | 2009-001A | USA 202, i=2.83 | 44.04E | end 2010 |
| | UAE | | EMARSAT-1E | 2003-026A | Thuraya 2, i=3.07 | 44.04E | Dec 2011 |
| | UAE | | EMARSAT-1F/M | | | | |
| **45.00 E** | RUS | | STATSIONAR-D4 | | | | |
| | XSU | | VOLNA-3 | | | | |
| | D | | EUROPE*STAR-1 | 2000-068A | Europe*Star 1=Intelsat12 | 45.00E | Dec 2011 |
| | RUS | | STATSIONAR-9 | | | | |
| | RUS | | STATSIONAR-9A | | | | |
| | XSU | | GALS-2 | | | | |
| | F | | F-SATDAB-4A | 1999-052A | Telstar 7 = Galaxy 27 | 45.08E | Dec 2011 |
| | XSU | | TOR-3 | | | | |
| **46.00 E** | G | | DJCF-1B | | | | |
| | MLA | | MEASAT-46E | 1996-002B | Measat 1, i=3.78 | 45.95E | Dec 2011 |
| **47.00 E** | F | | SYRACUSE-3H | 2005-041B | Syracuse 3A=Africasat | 47.00E | Dec 2011 |
| | F | | SYRACUSE-31H | | | | |
| **47.50 E** | D | | EUROPE*STAR-3 | 1994-034A | Intelsat 702 (Intel. 601 drifting) | 47.56E | Dec 2011 |
| **48.00 E** | IND | | INSAT-2T(48) | 2003-018E | GSAT-2 | drifting | |
| | IND | | INSAT-2(48) | | | | |
| | IND | | INSAT-2M(48) | | | | |
| | IND | | INSAT-EK48R | 1996-067A | Hot Bird 2, i=2.45 | 48.19E | Dec 2011 |
| | IND | | INSAT-EK48 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **49.00 E** | USA | | USMB-8 | 2009-047A | USA 207 (PAN) | 49.01E | end 2010 |
| | RUS | | TOR-16M | 2003-053A | Yamal 200 N2 (Yamal 202) | 49.01E | Dec 2011 |
| | RUS | | ROSCOM-4 | | | | |
| | RUS | | STATSIONAR-M11 | | | | |
| | RUS | | GALS-13 | | | | |
| | RUS | | VOLNA-25 | | | | |
| | RUS | | STATSIONAR-24 | | | | |
| **50.00 E** | TUR | | TURKSAT-1C | 1997-007A | JC-SAT 4 = Intelsat 26,i=3.69 | 50.39E | Dec 2011 |
| | TUR | | TURKSAT-K3 | 1999-005A | Telstar 6 = Galaxy 25 | 50.00E | Dec 2011 |
| | TUR | | TURKSAT-C50E | | | | |
| **50.50 E** | THA | | THAICOM-C1 | | | | |
| **51.00 E** | G | | AM-SAT AF3 BSS | 1998-056B | Sirius 3, i=2.62 | 51.25E | Dec 2011 |
| **51.50 E** | CHN | | CHINASAT-51.5E | 1996-039A | Apstar 1A, i=5.84 | 51.45E | Dec 2011 |
| **52.50 E** | UAE | | EMARSAT-1G | 2011-016B | Yahsat Y1A | 52.51E | Dec 2011 |
| **53.00 E** | RUS | | VOLNA-4 | | | | |
| | G | | SKYNET-4C | 2007-056B | Skynet 5B | 52.71E | Dec 2011 |
| | G | | SKYNET-4L | | | | |
| | G | | SKYNET-5D | | | | |
| | RUS | | EXPRESS-5B | 2003-060A | Ekspress AM-22 | 52.99E | Dec 2011 |
| | RUS | | EXPRESS-5 | | | | |
| **55.00 E** | RUS | | KUPON-1 | | | | |
| | IND | | INSAT-2(55) | 2003-043E | Insat 3E | 55.02E | Dec 2011 |
| | IND | | INSAT-2T(55) | 1996-021A | Astra 1F | 54.87E | Dec 2011 |
| | USA | | MILSTAR 4 | | | | |
| | RUS | | KUPON-1T | | | | |
| | RUS | | KUPON-1S | | | | |
| | IND | | INSAT-EK55R | 2011-022A | GSat-8 | 55.03E | Dec 2011 |
| | IND | | INSAT-EK55 | | | | |
| | RUS | | KUPON-1M | | | | |
| **56.00 E** | RUS | | RST-2 | 1998-068A | Bonum 1 | 55.94E | Dec 2011 |
| **57.00 E** | HOL | | INTELSAT5A INDOC2 | | | | |
| | HOL | | INTELSAT7 57E | | | | |
| | HOL | | INTELSAT8 57E | | | | |
| | USA | | USGCSS PH2 INDOC-2 | 1993-074A | USA 97 (DSCS III F8), i=6.54 | 56.77E | end 2010 |
| | USA | | USGCSS PH3 INDOC-2 | | | | |
| | USA | | USGCSS PH3B INDOC-2 | | | | |
| | HOL | | NSS-8 | 2009-058A | NSS 12 | 57.04E | Dec 2011 |
| | HOL | | NSS-36 | | | | |
| **57.46E** | | | no BSS satellite | 1997-049B | Meteosat 7 i=7.31 | 57.34E | Dec 2011 |
| **58.00 E** | RUS | | TOR-13M | | | | |
| **58.50 E** | KAZ | | KAZSAT1 | 2006-022A | KazSat 1 | driftimg since 2008 | |
| **58.75 E** | CHN | | COMPASS-58.75E | 2000-069A | Beidou 1A, i=1.92 | drifting | |
| **60.00 E** | USA | | USGCSS PH3 INDOC-2 | 2009-017A | USA204 (WGS F2) | 60.17E | end 2010 |
| | USA | | USGCSS PH3B- INDOC | | | | |
| | USA | | USGOVSAT-10 | | | | |
| | USA | | INTELSAT6 60E | | | | |
| | USA | | INTELSAT8 60E | | | | |
| | USA | | INTELSAT9 60E | 2002-007A | Intelsat 904 | 60.01E | Dec 2011 |
| **62.00 E** | USA | | INTELSAT7 62E | | | | |
| | USA | | USMB-9 | | | | |
| | USA | | INTELSAT6 62E | | | | |
| | USA | | INTELSAT8 62E | | | | |
| | USA | | INTELSAT9 62E | 2001-039A | Intelsat 902 | 61.99E | Dec 2011 |
| **63.00 E** | D | | GENESIS-9 | 2009-054B | COMSATBw-1 | 63.02E | Dec 2011 |
| **64.00 E** | G | | INMARSAT 3 IOR-1 | | | | |
| | G | | INMARSAT GSO-2N | | | | |
| | USA | | INTELSAT9 64E | 2002-041A | Intelsat 906 | 64.14E | Dec 2011 |
| | USA | | INTELSAT8 64E | | | | |
| | USA | | INTELSAT7 64E | | | | |
| **64.50 E** | G | | INMARSAT-2 IOR 1 | 1996-020A | Inmarsat 3-F1 | 64.46E | Dec 2011 |
| **65.00 E** | G | | INMARSAR-3 IOR-2 | 2006-024A | USA 187 (MITExOSC), i=0.66 | 65.04E | end 2010 |
| | G | | INMARSAT GSO-2H | | | | |
| **66.00 E** | USA | | INTELSAT5 INDOC4 | 2010-065B | Intelsat 17 | 66.00E | Dec 2011 |
| | USA | | INTELSAT7 66E | | | | |
| **67.50 E** | UAE | | YAHSAT-BSS-67.5E | | | | |
| **68.00 E** | USA | | USASAT-14I-2 | | | | |

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| **68.50 E** | USA | | USASAT-14I | 2001-019A | PAS 10 = Intelsat 10 | 68.51E | Dec 2011 |
| | USA | | USASAT-14I-3 | 1998-052A | PAS 7 = Intelsat 7 | 68.69E | Dec 2011 |
| | USA | | USASAT-60C | | | | |
| **69.00 E** | RUS | | TOR-14M | | | | |
| | RUS | | GALS-14 | | | | |
| **70.00 E** | RUS | | VOLNA-19 | 2007-058A | Cosmos-2434 (Raduga-1M1) | 70.02E | Dec 2011 |
| | USA | | USGON-1 | 2001-033A | USA 159 (DSP F21), i=3.99 | 69.49E | end 2010 |
| | USA | | USTRO-6 | | | | |
| | RUS | | STATSIONAR-20 | | | | |
| | RUS | | GALS-16 | | | | |
| | RUS | | TOR-17M | | | | |
| | TON | | TONGASAT-H70 | | | | |
| **70.50 E** | F | EUT | EUTELSAT-E-70.5E | 2002-051A | Eutelsat W5 | 70.51E | Dec 2011 |
| | F | EUT | EUTELSAT 3-70.5E | | | | |
| | F | | F-SAT-KU3-E-70.5E | | | | |
| **72.00 E** | USA | | FLTSATCOM-C INDOC-2 | 1995-023A | Intelsat 706 | 72.04E | Dec 2011 |
| | USA | | USASAT-14J-2 | 2003-057A | USA 174 (UFO F11), i=2.39 | 71.53E | end 2010 |
| | USA | | KASATCOM-3 | 1996-035A | Intelsat 709 | 72.10E | Dec 2011 |
| | AUS | | DEF-R-SAT-2A | 1990-002B | Leasat 5 i=9.81 | 72.20E | Dec 2011 |
| | USA | | USASAT-14J | 1999-063A | USA 146 (UFO F10), i=3.38 | 72.55E | end 2010 |
| **74.00 E** | IND | | INSAT-1B | 2002-002A | Insat 3C | 74.02E | Dec 2011 |
| | IND | | INSAT-2(74) | 2002-043A | Kalpana-1 (MetSat-1) | 74.03E | Dec 2011 |
| | IND | | INSAT-2K(74) | 2004-036A | GSAT-3 (EDUSAT), i=1.63 | drifting | |
| | IND | | INSAT-2T(74) | 1985-010B | USA 8 (MAGNUM 1), i=16.93 | 73.80E | end 2010 |
| | IND | | INSAT-2M(74) | 2007-037A | Insat 4CR | 73.98E | Dec 2011 |
| | IND | | INSAT-EK(74) | | | | |
| | IND | | INSAT-2E(74) | | | | |
| | IND | | INSAT-EK74R | | | | |
| **75.00 E** | BLR | IK | INTERBELAR-2 | 1990-097B | USA 67 (SDS 2F2), i=14.68 | 74.81E | end 2010 |
| | USA | | FLTSATCOM-C INDOC-3 | 1999-053A | LMI 1 | 75.00E | Dec 2011 |
| | USA | | USMB-10 | 1996-003A | Mugunghwa 2 (Koreasat2) i=3.72 | 74.83E | Dec 2011 |
| | USA | | USCSID-A3 | 1997-049A | Hot Bird 3, i=2.15 | 74.81E | Dec 2011 |
| | BLR | IK | INTERSPUTNIK-75E-Q | | | | |
| **76.00 E** | RUS | | GOMS-M | 2011-001A | Elektro-L1 | 76.08E | Dec 2011 |
| | F | | F-SAT-KU3-E-76E | | | | |
| | F | | F-SAT-KU-E-76E | | | | |
| **76.50 E** | CHN | | APSTAR-4 | 1997-062A | Apstar 2R | 76.54E | Dec 2011 |
| | CHN | | APSTAR-76E | | | | |
| **77.00 E** | RUS | | CSSRD-2 | | | | |
| | CHN | | CTDRS-1-77E | 2008-019A | Tian Lian 1A | 77.03E | Dec 2011 |
| **78.50 E** | THA | | THAICOM-AK2 | 2006-020B | Thaicom 5 | 78.48E | Dec 2011 |
| | THA | | THAICOM-A2 | | | | |
| | THA | | THAICOM-A2B | | | | |
| | THA | | THAICOM-A2KA suspended | | | | |
| | THA | | THAICOM-G1K | | | | |
| | THA | | THAICOM-G8A suspended | | | | |
| **79.60 E** | CHN | | CHINASAT-34A | | | | |
| **80.00 E** | RUS | | STATSIONAR-1 | | | | |
| | RUS | | PROGNOZ-4 | 2011-048A | Kosmos 2473 | 79.89E | Dec 2011 |
| | RUS | | POTOK-2 | | | | |
| | RUS | | EXPRESS-6 | | | | |
| | RUS | | VOLNA-8R | | | | |
| | CHN | | CHINASAT-31 | | | | |
| | RUS | | EXPRESS-6B | 2000-082A | Beidou 1B, i=3.38 | drifting | |
| | RUS | | FOTON-2 | 2005-010A | Ekspress AM-2 | 80.02E | Dec 2011 |
| | CHN | | COMPASS-80E | 2009-007B | Ekspress MD-1 | 80.11E | Dec 2011 |
| | CHN | | CTDRS-1-80E | | | | |
| **81.75 E** | RUS | | YAMAL-E3 | | | | |
| **82.00 E** | USA | | USMB-11 | | | | |
| | USA | | USGGR-8 | | | | |
| | USA | | USCSID-A4 | | | | |
| | AUS | | DEF-R-SAT-1A | | | | |

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| **83.00 E** | IND | | INSAT-2(83) | 2005-049A | Insat 4A | 83.04E | Dec 2011 |
| | IND | | INSAT-2K (83) | 2000-016B | Insat 3B | drifting | |
| | IND | | INSAT-2E83 | 2011-034A | GSat-12 | 83.06E | Dec 2011 |
| | IND | | INSAT-2M(83) | 1999-016A | Insat 2E | 83.08E | Dec 2011 |
| | IND | | INSAT-1D | | | | |
| | IND | | INSAT-EK83 | | | | |
| | IND | | INSAT-EK83R | | | | |
| **84.00 E** | CHN | | CHINASAT-84B | 2010-024A | Beidou DW 4 | 84.02E | Dec 2011 |
| **85.00 E** | RUS | | VOLNA-5 | | | | |
| | RUS | | STATSIONAR-3 | 2010-002A | Raduga-1M2 | 84.99E | Dec 2011 |
| | RUS | | TOR-4M | | | | |
| | USA | | USTRO-9 | | | | |
| | XSU | | GALS-3 | | | | |
| | CHN | | SINOSAT-3A | | | | |
| | XSU | | TOR-4 | | | | |
| | USA | | INTELSAT6 85E | 2009-067A | Intelsat IS-15 | 85.13E | Dec 2011 |
| | USA | | INTELSAT KFOS 85E | | | | |
| | USA | | INTELSAT7 85E | | | | |
| | USA | | INTELSAT8 85E | | | | |
| | USA | | TDRS 85E | 1995-035B | TDRS 7, i=12.82 | 85.68E | Dec 2011 |
| **85.40 E** | RUS | | STATSIONAR-D5 | | | | |
| | RUS | | SADKO-1 | | | | |
| **86.50 E** | CHN | | FY-2B | 2006-053A | FengYun 2D, i=1.94 | 86.49E | Dec 2011 |
| | CHN | | FY-2BS | | | | |
| | KAZ | | KAZSAT2 | 2011-035B | KazSat-2 | 86.51E | Dec 2011 |
| **87.50 E** | CHN | | DFH-3-OC | 1998-033A | Zhongwei 1 | 87.51E | Dec 2011 |
| | CHN | | CHINASAT-1 | | | | |
| **88.00 E** | SNG | | ST-1A | 1998-049A | ST-1 | 88.14E | Dec 2011 |
| | SNG | | ST-1A-CK | 2011-022B | ST-2 | 88.03E | Dec 2011 |
| **89.00 E** | USA | | TDRS 89E | 2000-034A | TDRS 8, i=2.71 | 89.19E | Dec 2011 |
| **90.00 E** | XSU | | VOLNA-8 | | | | |
| | RUS | | LOUTCH-3 | 2003-053B | Yamal 200 N1 (Yamal 201) | 90.03E | Dec 2011 |
| | RUS | | STATSIONAR-6 | | | | |
| | USA | | MILSTAR 5 | 1889-090B | USA 48 (MAGNUM2), i=15.24 | 89.35E | end 2010 |
| | USA | | USTRO-7 | | | | |
| | RUS | | EXPRESS-7B | | | | |
| | RUS | | EXPRESS-7 | | | | |
| **90.75 E** | J | | DRTS-90.75E | 2002-042B | Kodama (DRTS) | 90.74E | Dec 2011 |
| **91.50 E** | MLA | | MEASAT-IC91.5 | 2006-056A | Measat 3 | 91.50E | Dec 2011 |
| | MLA | | MEASAT-91.5E | 2009-032A | Measat-3A | 91.44E | Dec 2011 |
| | MLA | | MEASAT-AK 91.5 | | | | |
| | MLA | | MEASAT-1 | | | | |
| **92.00 E** | USA | | USMB-12 | | | | |
| | USA | | USCSID-A5 | | | | |
| **92.20 E** | CHN | | CHNBSAT-92.2E | 2008-028A | Zhongxing 9 | 92.18E | Dec 2011 |
| | CHN | | SINOSAT-92.2E | | | | |
| | CHN | | APSTAR-92E | | | | |
| | CHN | | CHINASAT-92.2E | | | | |
| **93.00 E** | AUS | | DEF-R-SAT-3A | | | | |
| **93.50 E** | IND | | INSAT-2(93.5) | 2003-013A | Insat 3A | 93.59E | Dec 2011 |
| | IND | | INSAT-2K(93.5) | | | | |
| | IND | | INSAT-2T(93.5) | 2007-007A | Insat 4B | 93.51E | Dec 2011 |
| | IND | | INSAT-2M(93.5) | 2003-041A | USA 171, i=4.55 | 93.58E | end 2010 |
| | IND | | INSAT-1C | | | | |
| | IND | | INSAT-EK93.5 | | | | |
| | IND | | INSAT-EK93.5R | | | | |
| | IND | | INSAT-2E93.5 | | | | |
| **95.00 E** | HOL | | INTELSAT KA 95E | | | | |
| | HOL | | INTELSAT8 95E | | | | |
| | HOL | | INTELSAT7 95E | | | | |
| | HOL | | INTELSAT5A 95E | | | | |
| | HOL | | NSS-9 | 2002-057A | NSS 6 | 94.97E | Dec 2011 |
| | RUS | | CSDRN | | | | |
| **96.50 E** | RUS | | STATSIONAR-14 | 2008-003A | Ekspress AM-33 | 96.53E | Dec 2011 |
| | RUS | | LOUTCH-9 | | | | |
| | RUS | | EXPRESS-8 | | | | |
| | RUS | | EXPRESS-8B | | | | |

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| **97.50 E** | CHN | | SINOSAT-3 suspended | | | | |
| **98.00 E** | RUS | | PROGNOZ-8 | | | | |
| | CHN | | CHINASAT-22 | | | | |
| | CHN | | CHINASAT-3 | 2003-052A | Zhongxing-20 | 98.02E | Dec 2011 |
| | CHN | | DFH-3A-OC | | | | |
| | CHN | | CHINASAT-44 | 2000-003A | Zhongxing-22, i=3.27 | 97.91E | Dec 2011 |
| | CHN | | CHINASAT-64 | | | | |
| **98.50 E** | UAE | | EMARSAT-4S | 2008-001A | Thuraya 3, i=4.96 | 98.59E | Dec 2011 |
| **99.00 E** | RUS | | STATSIONAR-T | | | | |
| | RUS | | STATSIONAR-T2 | 1986-096A | USA 20,i=12.73 | 99.50E | end 2010 |
| **100.00 E** | USA | | USBUD-1 | | | | |
| | USA | | FLTSATCOM-A INDOC-4 | | | | |
| **100.50 E** | CHN | | ASIASAT-E | 2009-042A | Asiasat 5 | 100.54E | Dec 2011 |
| | CHN | | ASIASAT-EK1 | 2001-020A | USA 158 (GeoLITE), i=3.53 | 100.05E | end 2010 |
| | CHN | | ASIASAT-EKS | 2010-063A | USA 223 (NROL-32), deorbited | | |
| | CHN | | ASIASAT-EKX | | | | |
| **101.50 E** | CHN | | CHINASAT-45 | | | | |
| **103.00 E** | RUS | | STATSIONAR-21 | | | | |
| | RUS | | LOUTCH-5 | | | | |
| | USA | | USGON-3 | 2000-001A | USA 148 (DSCS III B-08) | 103.66E | end 2010 |
| | CHN | | STW-2 | 2006-038A | Zhongxing-22A, FH1, i=1.83 | 103.30E | Dec 2011 |
| | RUS | | EXPRESS-9 | 2000-013A | Ekspress 2A, i=5.39 | 102.89E | Dec 2011 |
| | USA | | USTRO-8 | 2004-004A | USA 176(DSP F22), i=3.42 | 102.28E | end 2010 |
| | RUS | | EXPRESS-9B | | | | |
| | CHN | | DFH-4-OB | | | | |
| | CHN | | DFH-3-OB | | | | |
| | CHN | | CHINASAT-65 | | | | |
| **105.00 E** | AUS | | ASIABSS | 2000-016A | AsiaStar | 104.98E | Dec 2011 |
| | CHN | | FY-2A | 2008-066A | FengYun 2E | 104.50E | Dec 2011 |
| | CHN | | CHINASAT-46 | | | | |
| | CHN | | FY-2AS | | | | |
| **105.50 E** | CHN | | ASIASAT-CK | 1999-013A | Asiasat 3S | 105.52E | Dec 2011 |
| | CHN | | ASIASAT-CK-1 | | | | |
| | CHN | | ASIASAT-1 | | | | |
| | CHN | | ASIASAT-CKS | | | | |
| | CHN | | ASIASAT-CKX | | | | |
| **106.50 E** | USA | | USMB-13 | | | | |
| **107.70 E** | INS | | INDOSTAR-1 | 1997.071B | Cakrawatra 1, i=4.91 | 107.85E | Dec 2011 |
| **108.00 E** | INS | | PALAPA-B1 | 2009-027A | Indostar II/Protostar II | 108.10E | Dec 2011 |
| | INS | | PALAPA-C2 | 1999-042A | Telkom 1 | 108.07E | Dec 2011 |
| | INS | | PALAPA-B1-EC | | | | |
| **108.20 E** | G | | AM SAT A4 | 2000-059A | GE-1A | 108.21E | Dec 2011 |
| **109.00 E** | G | | INMARSAT-3 POR WEST | 1992-021B | Inmarsat 2-F4, i= 6.41 | 108.75E | Dec 2011 |
| **109.65 E** | J | | TAIKI-109.65 | | | | |
| **109.85 E** | J | | BS-3N | 2010-056B | BSAT-3B | 109.83E | Dec 2011 |
| | J | | BSAT-109.85 | 2007-036B | BSAT-3A | 109.86E | Dec 2011 |
| | | | | 2001-011B | BSAT-2a | drifting | |
| | | | | 2003-028A | BSAT-2c | 109.87E | Dec 2011 |
| | | | | 1994-040B | BS-3N | drifting | |
| **110.00 E** | USA | | USGGR-11 | | | | |
| | USA | | USCSID-A6 | | | | |
| | J | | N-SAT-110 | 2000-060A | N-SAT-110 | 110.01E | Dec 2011 |
| | J | | BSAT-110 | 2011-041B | BSat-3c | 109.94E | Dec 2011 |
| | J | | N-SAT-110E | | | | |
| | J | | JMCS-2 | | | | |
| | J | | BS-3 | | | | |
| **110.50 E** | CHN | | CHINASAT-6 | 1998-044A | Sinosat 1 | 110.32E | Dec 2011 |
| | CHN | | CHINASAT-2 | 2003-021A | Beidou 3, i=1.12 | 110.57E | Dec 2011 |
| | CHN | | DFH-3A-OB | 2011-026A | ZX-10 | 110.53E | Dec 2011 |
| | CHN | | CHINASAT-33 | | | | |
| | CHN | | COMPASS-110.5E | | | | |
| **111.50 E** | IND | | INSAT-KU10(111.5)E | | | | |

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| **113.00 E** | INS | | PALAPA-B2 | 2009-046A | Palapa D1 | 112.99E | Dec 2011 |
| | KOR | | KOREASAT-113E | 2006-034A | Mugunghwa 5 | 113.07E | Dec 2011 |
| | KOR | | KOREASAT-2 | | | | |
| | INS | | PALAPA-C1-K | | | | |
| | KOR | | INFOSAT-B | | | | |
| | INS | | PALAPA-C1-K | | | | |
| | KOR | | KOREASAT-113X | | | | |
| **113.20 E** | CHN | | CHNBSAT-113E | | | | |
| **115.50 E** | CHN | | DFH-4-OD | 2007-031A | Zhongxing 6B | 115.54E | Dec 2011 |
| | CHN | | CHINASAT-MSB4 | | | | |
| | CHN | | DFH-3-OD | | | | |
| | CHN | | CHINASAT-115.5E | | | | |
| | CHN | | DFH-5-OD | | | | |
| **116.00 E** | CHN | | ASIASAT-B | | | | |
| | KOR | | INFOSAT-C | | | | |
| | KOR | | KOREASAT-1 | 1999-046A | Mugunghwa 3 (Koreasat 3) | 116.01E | Dec 2011 |
| **116.20 E** | KOR | | COMS-116.2E | | | | |
| **118.00 E** | INS | | PALAPA-C3-X | 2005-046A | Telkom 2 | 118.05E | Dec 2011 |
| | INS | | PALAPA-B3 | | | | |
| | INS | | PALAPA-C3-K suspended | | | | |
| | INS | | PALAPA-C3 | | | | |
| | INS | | PALAPA-B3-EC suspended | | | | |
| **119.00 E** | CHN | | CHNBSAT-119E | | | | |
| **119.50 E** | THA | | THAICOM-IP1 | 2005-028A | Thaicom 4 (IPStar 1) | 119.50E | Dec 2011 |
| **120.00 E** | J | | GMS-120E | | | | |
| | THA | | THAICOM-AK3 | | | | |
| | THA | | THAICOM-A3 | | | | |
| | THA | | THAICOM-A3B | | | | |
| | THA | | THAICOM-G2K | | | | |
| | THA | | THAICOM-A3KA | | | | |
| | THA | | THAICOM-G9A suspended | | | | |
| **121.00 E** | CHN | | DFH-3-OH | | | | |
| | AUS | | DEF-R-SAT-4B 121.0E | | | | |
| **122.00 E** | CHN | | ASIASAT-A | 2003-014A | AsiaSat 4 | 122.09E | Dec 2011 |
| | CHN | | ASIASAT-AK | | | | |
| | CHN | | ASIASAT-AK1 | | | | |
| | CHN | | ASIASAT-AKS | | | | |
| | CHN | | ASIASAT-AKX | | | | |
| **123.00 E** | INS | | GARUDA-2 | 2000-011A | Garuda 1, i=1.09 | 122.96E | Dec 2011 |
| **123.50 E** | CHN | | FY-2C | 2004-042A | FengYun 2C | 123.72E | Dec 2011 |
| | CHN | | FY-2CS | | | | |
| **124.00 E** | J | | JCSAT-FO-124E | 1999-006A | JC-Sat 6 | 124.00E | Dec 2011 |
| | J | | JCSAT-3B | | | | |
| | J | | SJC-1 | | | | |
| **125.00 E** | CHN | | STW-1 | 2010-042A | XN 6 | 125.05E | Dec 2011 |
| | CHN | | DFH-3-OA | | | | |
| | CHN | | DFH-4-OA | | | | |
| | CHN | | CHINASAT-49 | | | | |
| | CHN | | CHINASAT-MSB5 | | | | |
| **126.00 E** | THA | | THAICOM-C2 | 1995-022A | USA 110 (Adv. Orion 1), i=9.61 | 125.60E | end 2010 |
| **127.50 E** | J | | JCSAT-T-127.5E | | | | |
| **128.00 E** | RUS | | STATSIONAR-D6 | 2004-010A | Raduga-17 | drifting | |
| | RUS | | GALS-10 | | | | |
| | J | | N-SAT-128 | 2006-033A | JCSAT 10 | 128.01E | Dec 2011 |
| | RUS | | TOR-6M | | | | |
| | RUS | | STATSIONAR-15 | | | | |
| | J | | JCSAT-FO-128E | 2009-044A | JCSAT 12 (JCSAT-RA) | 127.94E | Dec 2011 |
| | RUS | | VOLNA -9 | | | | |
| | RUS | | TOR-6 | | | | |
| | J | | JCSAT-3A | | | | |
| **128.20 E** | KOR | | COMS-128.2E | 2010-032A | Cheollian | 128.24E | Dec 2011 |
| **130.00 E** | RUS | | GALS-5 | | | | |
| | CHN | | SINOSAT-3C | 2011-047A | ZX-1A = Chinasat 1A | 129.87E | Dec 2011 |
| | RUS | | TOR-10M | | | | |
| | RUS | | PROGNOZ-5 | | | | |
| | CHN | | CHINASAT-4 | 2010-064A | Zhongxing 20A | 130.09E | Dec 2011 |
| **131.00 E** | CHN | | APSTAR-1 | | | | |

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| **132.00 E** | J | | JCSAT-FO-132E | 2006-010A | JCSAT 9 | 132.08E | Dec 2011 |
| | J | | D-STAR-1 | | | | |
| | J | | N-STAR-A | | | | |
| | J | | N-STAR-A2 | | | | |
| | VTN | | VINASAT-4A2 | 2008-018A | Vinasat 1 | 131.97E | Dec 2011 |
| | J | | N-STAR-F | | | | |
| | VTN | | VINASAT-4A3 | | | | |
| | VTN | | VINASAT-TTC | | | | |
| **133.00 E** | USA | | TDRS 133E | | | | |
| **134.00 E** | CHN | | APSTAR-2 | 2005-012A | Apstar 6 | 133.98E | Dec 2011 |
| | CHN | | CHINASAT-134E | | | | |
| | TON | | TONGASAT C/KU-2 | | | | |
| | TON | | TONGASAT AP-2 | | | | |
| **136.00 E** | J | | JCSAT-FO-136E | 2002-035B | N-Star 3 (N-Star c) | 136.03E | Dec 2011 |
| | J | | D-STAR-2 | | | | |
| | J | | N-STAR-B | | | | |
| | J | | N-STAR-B2 | | | | |
| | J | | N-STAR-E | | | | |
| **138.00 E** | CHN | | APSTAR 5-KU | 2004-024A | Telstar 18 (Apstar 5) | 138.00E | Dec 2011 |
| | CHN | | CHINASAT-138E | | | | |
| | TON | | TONGASAT C/KU-3 | | | | |
| | TON | | TONGASAT AP-3 | | | | |
| **140.00 E** | RUS | | VOLNA-6 | 2005-023A | Ekspress AM-3 | 139.94E | Dec 2011 |
| | J | | GMS-140E | 2005-006A | Himawari-6 | 140.06E | Dec 2011 |
| | RUS | | LOUTCH-4 | | | | |
| | RUS | | STATSIONAR 7 | | | | |
| | RUS | | EXPRESS-10 | | | | |
| | J | | MTSAT-140E | | | | |
| | J | | MTSAT-B-140E | | | | |
| | CHN | | CHINASAT-32 | 2010-001A | Beidou DW 3 | 140.11E | Dec 2011 |
| | CHN | | COMPASS-140E | | | | |
| | J | | MTSAT-C-140E | | | | |
| | RUS | | EXPRESS-10B | | | | |
| **140.40 E** | CHN | | CHINASAT-35B | | | | |
| **142.00 E** | CHN | | APSTAR-142E | 1994-043A | Apstar 1. i=6.49 | 142.17E | Dec 2011 |
| | THA | | THAICOM-G3K | | | | |
| | THA | | THAICOM-G12A | | | | |
| **143.00 E** | J | | WINDS-A | 2008.007A | Kizuna | 142.17E | Dec 2011 |
| **143.50 E** | G | | INMARSAT-3 POR-3 | 2005-009A | Inmarsat 4 F1, i=2.48 | 143.52E | Dec 2011 |
| **143.72 E** | J | | N-SAT-143.72E | | | | |
| **144.00 E** | J | | SUPERBIRD-C | 2008-038A | Superbird C2 | 143.95E | Dec 2011 |
| | J | | JMCS-1 | | | | |
| | KOR | | SKDAB-2 | 2004-007A | MBSAT | 144.08E | Dec 2011 |
| | J | | JMCS-1R | | | | |
| | J | | N-SAT-146 | | | | |
| | J | | JMCS-C2-X | | | | |
| | J | | SB-SAT-144 | | | | |
| | J | | SUPERBIRD-C2 | | | | |
| **144.50 E** | CHN | | CHINASAT-35C | | | | |
| **145.00 E** | RUS | | LOUTCH-10 | | | | |
| | RUS | | STATSIONAR-16 | | | | |
| | USA | | USGON 6 | | | | |
| | RUS | | EXPRESS-11 | | | | |
| | RUS | | VOLNA-:6R | | | | |
| | J | | MTSAT-C-145E | 2006-004A | MTSAT-2 | 145.05E | Dec 2011 |
| | J | | MTSAT-B-145E | | | | |
| **146.00 E** | INS | | PALAPA PAC-KU 146E | | | | |
| | INS | | PALAPA PAC-C 146E | 2006-059A | Kiku-8 (ETS VIII), i=0.74 | 145.77E | Dec 2011 |
| **148.00E** | MLA | | MEASAT-2 | 1996-063B | Measat-2 = AfricaSat-2 | 147.97E | Dec 2011 |
| **150.00 E** | J | | JCSAT-1 | 1997-075A | JC-Sat 8, i=1.58 | 150.05E | Dec 2011 |
| | USA | | USGCSS PH3B W PAC-3 | 1995-038A | USA 113 (DSCS III F9), i=6.20 | 149.80E | end 2010 |
| | J | | JCSAT-1R | | | | |
| | J | | JCSAT-FO-150E | | | | |
| **150.50 E** | INS | | PALAPA-C4 | 1996-030A | Palapa C2, i=1.55 | 150.51E | Dec 2011 |
| **152.00 E** | AUS | | AUSSAT A 152E | 2007-044A | Optus D2 | 152.06E | Dec 2011 |
| | AUS | | AUSSAT B 152E MOB | | | | |
| | AUS | | AUSSAT B 152E MXL | | | | |
| | AUS | | AUSSAT B 152E | | | | |
| | USA | | USGAE 9R | 2001-009A | USA 157 (Milstar-2F2), i=4.48 | 152.14E | end 2010 |

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| **154.00 E** | J | | JCSAT-2 | 2002-015A | JC-SAT 8 | 153.92E | Dec 2011 |
| | J | | JCSAT-2R | | | | |
| | J | | JCSAT-FO-154E | | | | |
| **156.00 E** | AUS | | AUSSAT B 156E S | 2009-044B | Optus D3 | 156.03E | Dec 2011 |
| | AUS | | AUSSAT B 156E R | 2003-028B | Optus C1 (Defense C1) | 156.03E | Dec 2011 |
| | AUS | | AUSSAT B 156E MOB | | | | |
| | AUS | | AUSSAT B 156EMXL | | | | |
| | AUS | | AUSSAT B 156 E | | | | |
| | AUS | | AUSSAT B 156E MC | | | | |
| | AUS | | AUSSAT B 156E NZ | | | | |
| | AUS | | ADF 156E GOV | | | | |
| | AUS | | AUSSAT C 156E FSS | | | | |
| | AUS | | AUSSAT C 156E GOV | | | | |
| | AUS | | AUSSAT D 156E FSS | | | | |
| **157.00 E** | USA | | INTELSAT 5A 157E | | | | |
| | USA | | INTELSAT8 157E | | | | |
| | USA | | INTELSAT6 157E | | | | |
| | USA | | INTELSAT7 157E | | | | |
| **158.00 E** | J | | JMCS-3A | | | | |
| | J | | SUPERBIRD-A | 1997-036A | Superbird C, i=20.80 | 158.03E | Dec 2011 |
| | J | | SUPERBIRD-A2-KA | | | | |
| | J | | SUPERBIRD-A2-R | | | | |
| | J | | SUPERBIRD-A2 | | | | |
| **160.00 E** | J | | GMS-160E | | | | |
| | AUS | | AUSSAT B 160E R | 2006-043B | Optus D1 | 160.01E | Dec 2011 |
| | AUS | | AUSSAT B 160E MOB | | | | |
| | AUS | | AUSSAT B 160E MXL | | | | |
| | AUS | | AUSSAT B 160E S | | | | |
| | AUS | | AUSSAT B 160E MC | | | | |
| | AUS | | AUSSAT A 160E | | | | |
| | AUS | | AUSSAT A 160E PAC | | | | |
| | AUS | | AUSSAT B 160E | | | | |
| | AUS | | AUSSAT B 160E NZ | | | | |
| | CHN | | COMPASS-160E | 2010-057A | Beidou DW 6 | 160.09E | Dec 2011 |
| **162.00 E** | J | | JMCS-3B | | | | |
| | J | | SUPERBIRD-B2 | 2000-012A | Superbird 4 | 162.00E | Dec 2011 |
| | J | | SUPERBIRD-B2-KA | | | | |
| | J | | SUPERBIRD-B | | | | |
| | J | | SUPERBIRD-B2-R | | | | |
| **163.00 E** | CHN | | CHINASAT-163E | | | | |
| **164.00 E** | AUS | | AUSSAT A 164E | 1994-055A | Optus B3, i=3.62 | 164.09E | Dec 2011 |
| | AUS | | AUSSAT A 164E PAC | | | | |
| | AUS | | AUSSAT B 164EMOB | | | | |
| | AUS | | AUSSAT B 164E MXL | | | | |
| | AUS | | AUSSAT B 164E | | | | |
| **166.00 E** | USA | | USASAT-14H | 1998-065A | PAS 8 = Intelsat 8 | 165.99E | Dec 2011 |
| | RUS | | PROGNOZ-6 | | | | |
| | USA | | USASAT-60B | | | | |
| **167.00 E** | RUS | | VSSRD-2 | | | | |
| **169.00 E** | USA | | USASAT-14G | 1997-046A | PAS 5 = Intelsat 5 | 169.00E | Dec 2011 |
| | | | USASAT-60J | | | | |
| **172.00 E** | USA | | FLTSATCOM W PAC | 2005-052A | AMC 23 | 172.01E | Dec 2011 |
| | USA | | FLTSATCOM-C W PAC-1 | | | | |
| | USA | | KASATCOM-5 | | | | |
| | USA | | USASAT-14K | 1998-016A | USA 138 (UFO F8), i=4.08 | 171.327E | end 2010 |
| | USA | | USASAT-60A | | | | |
| **174.00 E** | USA | | INTELSAT8 174E | 1994-040A | PAS 2, i=1.83 | drifting | |
| | USA | | INTELSAT9 174E | | | | |
| | USA | | INTELSAT7 174E | | | | |
| **175.00 E** | USA | | USGCSS PH3 W PAC | 2007-046A | USA 195 (WGS F1) | 175.12E | end 2010 |
| | USA | | USGCSS PH3B W PAC-3 | | | | |
| | USA | | USGOVSAT-12 | | | | |
| **177.00 E** | USA | | INTELSAT7 177E | 2011-032A | TL 102 | 176.90E | Dec 2011 |
| **177.50 E** | USA | | MILSTAR 14 | | | | |
| | USA | | USGAE 4 | | | | |

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| **178.00 E** | G | | INMARSAT-3 POR-2 | 1996-070A | Inmarsat 3-F3 | 178.10E | Dec 2011 |
| | USA | | INTELSAT6 178E | | | | |
| | USA | | INTELSAT9 178E | 1989-087A | Intelsat 602, i=8.98 | 178.16E | Dec 2011 |
| | USA | | INTELSAT7 178E | | | | |
| | USA | | INTELSAT8 178E | | | | |
| **179.00 E** | G | | INMARSAT-3 POR-1 | | | | |
| **180.00 E** | USA | | USGCSS PH3B W PAC-2 | | | | |
| | USA | | INTELSAT7 180E | 1993-066A | Intelsat 701 | drifting | |
| | USA | | USGCSS PH3B W PAC-2 | | | | |
| | USA | | INTELSAT5 PAC3 | 2011-056A | Intelsat 18 | 179.98E | Dec 2011 |
| **177.00 W** | HOL | | INTELSAT5 183E | | | | |
| | HOL | | INTELSAT IBS 183E | | | | |
| | HOL | | INTELSAT5A 183E | 1995-003A | USA 108 (UFO F4), i=6.31 | 177.55W | end 2010 |
| | USA | | FLTSATCOM-C W PAC-2 | | | | |
| | HOL | | INTELSAT8 183E | | | | |
| | HOL | | INTELSAT7 183E | | | | |
| | HOL | | NSS-19 | 2009-008A | NSS 9 | 177.01W | Dec 2011 |
| **174.00 W** | USA | | TDRS 174W | 2002-055A | TDRS-10 | 173.24W | Dec 2011 |
| | | | | 1987-022A | GOES 7, i=13.62 active? | 172.25W | Dec 2011 |
| **171.00 W** | USA | | TDRS WEST | 1993-003B | TDRS 6. i=11.18 | 171.20W | Dec 2011 |
| **170.00 W** | RUS | | STATSIONAR-D2 | | | | |
| | RUS | | VOLNA-7 | | | | |
| | RUS | | TOR-5M | | | | |
| | RUS | | STATSIONAR-10 | | | | |
| | RUS | | GALS-4 | | | | |
| | RUS | | TOR-5M | | | | |
| | RUS | | STATSIONAR-10A | | | | |
| | RUS | | STATSIONAR-M1 susp. | | | | |
| | RUS | | ROSCOM-2 suspended | | | | |
| **168.00 W** | RUS | | POTOK-3 | | | | |
| | RUS | | FOTON-3 | | | | |
| **167.00 W** | | | | 1991-054B | TDRS 5, i=11.29 | 167.01W | Dec 2011 |
| **165.00 W** | USA | | USGON-4 | 2000-024A | USA 149 (DSP F20), i=6.62 | 165.56W | end 2010 |
| **160.00 W** | RUS | | ESDRN | | | | |
| **159.00 W** | RUS | | PROGNOZ-7 | | | | |
| **150.00 W** | USA | | USGAE-10R | 1995-060A | USA 115(Milstar DSF-2), i=8.77 | 150.11W | end 2010 |
| **145.00 W** | USA | | USGON-7 | | | | |
| | USA | | FLTSATCOM-C W PAC-3 | 1989-046A | USA 39(DSP F14), i=12.52 | 144.62W | end 2010 |
| **144.00 W** | USA | | USLL-PAC | 2001-046A | USA 162 (SDS 3F3), i=4.50 | 144.14W | end 2010 |
| | USA | | P92-6 | | | | |
| | USA | | P-197-2 | | | | |
| | USA | | USTRO-2 | | | | |
| | USA | | USCSID-W2 | | | | |
| **142.00 W** | G | | INMARSAT-3 POR EAST | 1991-018A | Inmarsat 2-F2, i=7.86 | 141.84W | end 2010 |
| | G | | INMARSAT-2 POR EAST | 1990-093A | Inmarsat 2-F1, i=8.55 | drifting | |
| **141.00 W** | USA | | P-92-5 | | | | |
| | USA | | P-197-3 | | | | |
| | USA | | USLL-PAC2 | | | | |
| | USA | | USTRO-3 | | | | |
| | USA | | USCSID-W1 | | | | |
| **139.00 W** | USA | | USASAT-22I | 2000-081B | GE 8 (Aurora 3) | 139.01W | Dec 2011 |
| **137.00 W** | USA | | USASAT-22G | 2000-054B | GE 7 | 136.95W | Dec 2011 |
| | USA | | USASAT-22J | | | | |
| **135.00 W** | USA | | GOES WEST | 2000-022A | GOES 11 decommissioned Dec 2011 | | |
| | USA | | USGCSS PH3B E PAC | 2004-003A | AMC-10 (GE 10) | 134.94W | Dec 2011 |
| | USA | | USASAT-21A | 2003-008A | USA 167 (DSCS III A-3) | 134.87W | end 2010 |
| | USA | | GOES-WEST-1 | 2010-008A | GOES 15 moving to 135W | | |
| | USA | | USASAT-22K | | | | |
| **133.00 W** | USA | | USASAT-22A | 2003-013B | Galaxy 12 moving to 129W from 133W | | |
| | USA | | USASAT-35Y | 2005-041A | Galaxy 15 | 132.97W | Dec 2011 |
| | USA | | LM RPS-133W | | | | |
| **131.00 W** | USA | | USASAT-22H | 2004-017A | AMC-11 (GE-11) | 131.00W | Dec 2011 |
| | USA | | USASAT-35A | | | | |
| **130.00 W** | USA | | USGCSS PH3 E PAC-2 | 1997-065A | USA134(DSCS III F10), i=4.57 | 130.02W | end 2010 |
| | USA | | USGCSS PH3B E PAC-2 | | | | |
| | USA | | USRDSS WEST | | | | |
| **129.00 W** | USA | | USASAT-24N | 2008-063A | Ciel 2 | 128.85W | Dec 2011 |
| | | | | 2003-031B | Galaxy 12 moving to 129W from 133W | | |

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| **128.00 W** | USA | | ASC-1 | | | | |
| **127.00 W** | USA | | USASAT-24O | 2003-044A | Galaxy 13/Horizons-1 | 126.96W | Dec 2011 |
| | USA | | USASAT-35C | | | | |
| | J | | N-SAT-127W | | | | |
| **125.00 W** | USA | | USASAT-22B | 2005-030A | Galaxy 14 | 124.89W | Dec 2011 |
| | USA | | USASAT-35D | | | | |
| **123.00 W** | USA | | USASAT-24P | 2008-024A | Galaxy 18 | 123.01W | Dec 2011 |
| | USA | | USASAT-35E | | | | |
| **121.00 W** | USA | | USASAT-31G | 2003-034A | EchoStar 9 (Telstar 13) | 121.02W | Dec 2011 |
| | USA | | USASAT-23G | | | | |
| | PNG | | PACSTAR-L4 | | | | |
| **120.00 W** | USA | | MILSTAR 6 | | | | |
| **119.00 W** | USA | | USABSS-10 | 2004-016A | DirecTV-7S | 119.02W | Dec 2011 |
| | USA | | USABSS-7 | | | | |
| **118.70 W** | CAN | | ANIK E-D | 2007-009A | Anik F3 | 118.66W | Dec 2011 |
| | CAN | | CANSAT KA-SX | 2002-006A | EchoStar 7 | 118.78W | Dec 2011 |
| | CAN | | CANSAT KA-5 | 2010-010A | Echostar XIV | 118.84W | Dec 2011 |
| | CAN | | CANSAT-18 | | | | |
| **116.80 W** | MEX | | MORELOS-2 | 1998-070A | Satmex 5 | 116.81W | Dec 2011 |
| **115.00 W** | USA | | USASAT-28G | 2006-049A | XM Radio 4 (Blues) | 115.23W | Dec 2011 |
| | | | | 2001-018A | Sirius XM-1 Roll | 115.21W | Dec 2011 |
| | | | | 2011-059A | ViaSat-1 | 115.12W | Dec 2011 |
| **114.90 W** | CAN | | ANIK D-2 | | | | |
| | CAN | | CANSAT-17 | | | | |
| | MEX | | MEXSAT-114.9C-KU | 1994-065A | Solidaridad 2, i=3.41 | 114.79W | Dec 2011 |
| **113.50 W** | MEX | | MORELOS 1 | | | | |
| **113.00 W** | MEX | | SOLIDARIDAD-2 | 2006-020A | Satmex 6 | 112.96W | Dec 2011 |
| | MEX | | SOLDARIDAD 2MA | | | | |
| | MEX | | SOLIDARIDAD 2M | | | | |
| | MEX | | SATMEX-7 | | | | |
| **111.10 W** | CAN | | Anik-F2 | 2004-027A | Anik F2 | 111.06W | Dec 2011 |
| | CAN | | CANSAT KA-4 | 2006-054A | Wildblue 1 | 111.18W | Dec 2011 |
| | CAN | | ANIK E-B | | | | |
| **110.20 W** | USA | | USABSS-6 | 2009-035A | Terrestar 1, i=5.22 | 110.29W | Dec 2011 |
| **110.00 W** | USA | | USABSS-5 | 2002-023A | DirecTV-5 | 110.07W | Dec 2011 |
| | | | | 2008-035A | EchoStar 11 | 109.94W | Dec 2011 |
| | | | | 2006-003A | EchoStar 10 | 110.18W | Dec 2011 |
| **109.20 W** | MEX | | SOLIDARIDAD 1MA susp. | 1992-021B | Inmarsat 2F4 | 108.75W | Dec 2011 |
| | MEX | | SOLIDARIDAD-1 susp. | | | | |
| | MEX | | SOLIDARIDAD 1M susp. | | | | |
| | MEX | | SATMEX-6 suspended | | | | |
| **107.30 W** | USA | | LM-RPS-107.3W | | | | |
| | CAN | | ANIK-F1 | 2005-036A | Anik F1R | 107.30W | Dec 2011 |
| | CAN | | ANIK E-A | 2000-076A | Anik F1 | 107.39W | Dec 2011 |
| **106.50 W** | CAN | | MSAT | 1996-022A | MSAT, i=4.03 | 106.57W | Dec 2011 |
| **105.00 W** | USA | | ATS-5 | 1967-111A | ATS 3, i=8.09 | 105.29W | Dec 2011 |
| | USA | | FLTSATCOM-C E PAC-1 | 2004-041A | AMC-15 | 105.03W | Dec 2011 |
| | USA | | USASAT-23H | 2006-054B | AMC-18 | 104.91W | Dec 2011 |
| | USA | | USASAT-31K | 2009-033A | GOES 14 | 105.32W | Dec 2011 |
| | USA | | USASAT-35G | 1985-035A | Gstar 1, i=12.52 | 105.12W | Dec 2011 |
| | G | | GIBSAT A1 | 1995-057A | USA 114(UFO F6), i=5.65 | 105.24W | end 2010 |
| **103.00 W** | USA | | USASAT-24E | 1996-054A | GE 1 | 103.00W | Dec 2011 |
| | USA | | USASAT-31L | 2005-015A | Spaceway 1 | 102.89W | Dec 2011 |
| | USA | | USASAT-35H | 2007-032A | DirecTV 10 | 102.79W | Dec 2011 |
| | | | | 2009-075A | DirecTV 12 | 102.74W | Dec 2011 |
| | | | | 1995-019A | AMSC-1, i=5.85 | 103.46W | Dec 2011 |
| | | | | 2010-005A | Solar Dynamics Obs., i=27.95 | 101.73W | Dec 2011 |
| **101.20 W** | USA | | USABSS-1 | 2010-061A | SkyTerra | 101.19W | Dec 2011 |
| **101.00 W** | USA | | ACS-1 | 2060-043A | DirecTV 9S | 101.06W | Dec 2011 |
| | USA | | MCS-1 | 2010-016A | SES-1 | 100.96W | Dec 2011 |
| | USA | | USASAT-31M | 2001-052A | DirecTV-4S | 101.12W | Dec 2011 |
| | USA | | USASAT-35I | | | | |
| | USA | | USASAT-7D | | | | |
| **100.80 W** | USA | | USABSS-2 | 2005-019A | DirecTV-8 | 100.83W | Dec 2011 |
| **100.00 W** | USA | | FLTSATCOM E PAC | 1995-027A | USA 111 (UFO F5). i=6.68 | 100.47W | end 2010 |
| | USA | | FLTSATCOM E PAC-2 | | | | |
| | USA | | USRDSS CENTRAL | | | | |

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| **99.00 W** | USA | | USASAT-24J | 2008-013A | DirecTV 11 | 99.22W | Dec 2011 |
| | USA | | USASAT-35J | 2005-046B | Spaceway 2 | 99.11W | Dec 2011 |
| | USA | | USASAT-31N | 2006-023A | Galaxy 16 | 98.99W | Dec 2011 |
| | | | | 2011-035A | SES-2 | 98.81W | Dec 2011 |
| **98.00 W** | G | | INMARSAT-3 AOR WEST3 | 2008-039A | Inmarsat 4F3, i=3.01 | 97.60W | Dec 2011 |
| | G | | INMARSAT-4 98W | | | | |
| **97.00 W** | USA | | USASAT-6A | 2008-045A | Galaxy 19 | 97.08W | Dec 2011 |
| | USA | | USASAT-24D | | | | |
| | USA | | USASAT-35K | | | | |
| **96.80 W** | USA | | USOBO-2 | | | | |
| **96.00 W** | USA | | USASAT-28EL | 2009-034A | Sirius FM5 | 95.99W | Dec 2011 |
| **95.00 W** | G | | UKSAT-10 | | | | |
| | USA | | COMSTAR D-2 | 2007-036A | Spaceway 3 | 94.93W | Dec 2011 |
| | USA | | USASAT-23F | 2002-030A | Galaxy-3C | 95.04W | Dec 2011 |
| | USA | | USASAT-24L | | | | |
| | USA | | USASAT-35L | | | | |
| **93.00 W** | USA | | USASAT-24S | 1997-026A | Telstar 5 = Galaxy 25 | 93.08W | Dec 2011 |
| | USA | | USASAT-35M | 2008-016A | ICOG1, i=4.76 | 92.84W | Dec 2011 |
| **92.00 W** | B | | SBTS B4 | | | | |
| **91.10 W** | CAN | | CAN-BSS2 TTAC | 2002-062A | Nimiq 2 | 91.16W | Dec 2011 |
| | | | | 1999-027A | Nimiq | 91.08W | Dec 2011 |
| **91.00 W** | USA | | USASAT-24K | 2007-016B | Galaxy 17 | 91.01W | Dec 2011 |
| | USA | | USASAT-35N | | | | |
| | USA | | USASAT-9A | | | | |
| **90.00 W** | USA | | MILSTAR 1 | | | | |
| | USA | | USGAE-1 | | | | |
| **89.00 W** | USA | | USASAT-24E | 2005-022A | Intelsat Americas 8 (Telstar 8) | 89.02W | Dec 2011 |
| | USA | | USASAT-31S | | | | |
| | USA | | USASAT-35O | | | | |
| **87.00 W** | USA | | USASAT-24T | 1997-050A | GE 3 | 86.87W | Dec 2011 |
| | USA | | USASAT-35P | 2011-049A | Arabsat 5C | 87.00W | Dec 2011 |
| | USA | | SPACENET-3 | | | | |
| **85.10 W** | USA | | USASAT-28F | 2005-008A | XM Radio 3 (Rhytm) | 85.08W | Dec 2011 |
| | | | | 2010-053A | Sirius XM-5 | 85.24W | Dec 2011 |
| **85.00 W** | USA | | USASAT-3C | 2004-048A | AMC 16 | 84.97W | Dec 2011 |
| | USA | | USASAT-9C | | | | |
| | USA | | USASAT-35O | | | | |
| | USA | | USASAT-31U | | | | |
| **84.00 W** | B | | B-SAT P | 2000-046A | Brasilsat B4 | 83.97W | Dec 2011 |
| **83.00 W** | USA | | USASAT-24V | 2003-024A | AMC-9 (GE-12) | 83.02W | Dec 2011 |
| | USA | | USASAT-35R | | | | |
| **82.00W** | CAN | | CANSAT KA-3 | 2008-044A | Nimiq 4 | 81.97W | Dec 2011 |
| | CAN | | CAN-BSS1 TTAC | | | | |
| **81.00 W** | USA | | USASAT-9D | 1996-002A | PAS 3R, i=1.29 | drifting | |
| | ARG | | P-P-SAT-1 | | | | |
| **79.00 W** | USA | | TDRS CENTRAL | 1997-002A | GE 2 | drifting | |
| | USA | | TDRS-C2 | | | | |
| | USA | | USASAT-24W | 1998-063B | AMC-5 | 79.68W | Dec 2011 |
| | USA | | USASAT-35T | | | | |
| **78.00 W** | URG | | VENESAT-1 | 2008-055A | Simon Bolivar | 77.99W | Dec 2011 |
| **77.00 W** | USA | | USASAT-24O | 1995-073A | EchoStar 1 | 77.13W | Dec 2011 |
| | | | | 2002-039A | EchoStar 8 | 77.04W | Dec 2011 |
| | | | | 1998-028A | EchoStar 4, i=2.35 | drifting | Aug 2011 |
| | | | | 2000-038A | EchoStar 6 | 76.95W | Dec 2011 |
| **76.00 W** | USA | | USASAT-12C | | | | |
| **75.00 W** | USA | | GOES EAST | 2006-018A | GOES N, i=0.34 | 75.01W | Dec 2011 |
| | B | | B-SAT-S | 1998-006A | Brazilsat B-3A | 74.96W | Dec 2011 |
| | B | | SISCOMIS-4 | | | | |
| | USA | | GOES-EAST-1 | | | | |
| **74.00 W** | USA | | USASAT-22E | 2007-063B | Horizons 2 | 74.06W | Dec 2011 |
| | USA | | USASAT-15B | | | | |
| | USA | | USASAT-35V | | | | |
| | | | | 2009-050A | Nimiq 5 | 72.65W | Dec 2011 |
| | | | | 1999-056A | DirecTV-1R | 72.47W | Dec 2011 |
| **72.00 W** | ARG | | NAHUEL-C | | | | |
| | USA | | USASAT-8B | 2000-067A | GE 6 | 72.01W | Dec 2011 |
| | USA | | USASAT-35W | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **70.00 W** | B | | SBTS B1 | 2008-018B | Star One C2 | 70.02W | Dec 2011 |
| | USA | | USRDSS EAST | | | | |
| | B | | SBTS C1 | | | | |
| | B | | SISCOMIS-3 | | | | |
| | B | | B-SAT-1C | | | | |
| **68.00 W** | USA | | MILSTAR 8 | 2003-012A | USA 169 (Milstar-2 F4), i=2.81 | 67.57W | end 2010 |
| | | | | 1995-016A | Brazilsat B2, i=3.47 | 67.92W | Dec 2011 |
| **67.00 W** | CLM | ASA | SIMON BOLIVAR 2 | 1999-060A | GE 4 | 66.98W | Dec 2011 |
| **65.50 W** | RUS | | YAMAL-W3 | | | | |
| **65.00 W** | B | | SBTS B2 | 2007-056A | Star One C1 | 65.01W | Dec 2011 |
| | B | | SISCOMIS-2 | | | | |
| | B | | B-SAT-R | | | | |
| **63.00 W** | B | | B-SAT E | 2004-091A | Estrela do Sul 1  Telstar 14 | drifting | |
| | B | | B-SAT I | 2011-021A | Telstar 14 | 63.00W | Dec 2011 |
| **62.00 W** | USA | | TDRS 62W | | | | |
| **61.50 W** | USA | | USABSS-8 | 2003-033A | Rainbow 1 | 61.33W | Dec 2011 |
| | USA | | USABSS-17 | 2010-034A | EchoStar XV | 61.54W | Dec 2011 |
| | | | | 1997-059A | EchoStar 3 | 61.39W | Dec 2011 |
| **61.00 W** | B | | SBTS B3 | 2009-054A | Amazonas 2 | 61.00W | Dec 2011 |
| | USA | | USMB-1 | | | | |
| | B | | B-SAT-O | 2004-031A | Amazonas | 60.97W | Dec 2011 |
| | | | | 2001-031A | GOES 12. i=1.02 | 59.57W | Dec 2011 |
| **58.00 W** | USA | | USASAT-25G | 2010-006A | Intelsat IS-16 | 58.12W | Dec 2011 |
| | USA | | USASAT-26G-3 | 2000-043A | PAS 9 | 58.00W | Dec 2011 |
| | USA | | USASAT-26G | | | | |
| **55.50 W** | USA | | INTELSAT8 304.5E | 1999-071A | Galaxy 11 | 55.47W | Dec 2011 |
| | USA | | INTELSAT9 304.5E | 1998-037A | Intelsat 805 | 55.53W | Dec 2011 |
| | USA | | INTELSAT7 304.5E | | | | |
| **55.00 W** | G | | INMARSAT-3 AOR WEST | | | | |
| | G | | INMARSAT-2 AOR WEST | | | | |
| **54.00 W** | G | | INMARSAT-3 AOR WEST2 | 1997.027A | Inmarsat 3-F4, i=1.00 | 54.01W | Dec 2011 |
| | G | | INMARSAT GSO-2J | | | | |
| **53.00 W** | USA | | INTELSAT7 307E | 1996-015A | Intelsat VIIA F-2 | 52.98W | Dec 2011 |
| | USA | | INTELSAT IBS 307E | | | | |
| | USA | | INTELSAT8 307E | | | | |
| | USA | | INTELSAT9 307E | | | | |
| | G | | INMARSAT GSO-2L | | | | |
| **52.50 W** | USA | | USGCSS PH3B W ATL | 2003-040A | USA 170 (DSCS III B-6) | 52.43W | end 2010 |
| **50.00 W** | USA | | INTELSAT7 310E | 2000-072A | PAS 1R | 49.94W | Dec 2011 |
| | USA | | INTELSAT5A CONT2 | 1995-013A | Intelsat 705 operating at 50W | | |
| | USA | | INTELSAT10 310E | | | | |
| | USA | | INTELSAT9 310E | 1988-091B | TDRS-West, i=13.42 | 48.15W | Dec 2011 |
| **49.40 W** | USA | | USOBO-3 | 1994-084A | USA 107 (DSP F17), i=10.90 | 49.74W | end 2010 |
| **49.00 W** | USA | | TDRS 49W | | | | |
| **47.00 W** | USA | | USASAT-25E | 1994-064A | NSS 703 | 46.99W | Dec 2011 |
| **46.00 W** | USA | | TDRS 46W | 1989-021B | TDRS 4, i=12.14 | 46.21W | Nov 2011 |
| **45.00 W** | USA | | USASAT-13I | 2009-064A | Intelsat IS-14 | 44.98W | Dec 2011 |
| | USA | | USASAT-13I-2 | 1991-080B | USA 75 (DSP F16), i=12.49 | 45.05W | end 2010 |
| | USA | | USASAT-25D | | | | |
| | USA | | USASAT-55G | | | | |
| | USA | | USASAT-60I | | | | |
| **43.00 W** | USA | | USASAT-55F | 2007-044B | Intelsat IS-11 | 42.96W | Dec 2011 |
| | USA | | USASAT-25C | | | | |
| | USA | | USASAT-26C | | | | |
| **42.50 W** | USA | | USGCSS PH3 MID- ATL | | | | |
| | USA | | USGCSS PH3B MID-ATL | | | | |
| **41.00 W** | USA | | TDRS-EAST-ISS | | | | |
| | USA | | TDRS EAST | 2002-011A | TDRS 9, i=1.47 | 40.92W | Dec 2011 |
| **40.50 W** | HOL | | INTELSAT5A 319.5E | | | | |
| | HOL | | INTELSAT K 319.5E | | | | |
| | HOL | | INTELSAT7 319.5E | | | | |
| | HOL | | INTELSAT8 319.5E | 1998-014A | Intelsat 806 | 40.46W | Dec 2011 |
| | HOL | | NSS-18 | | | | |
| | HOL | | INTELSAT IBS 319.5E | | | | |
| **39.00 W** | G | | DJCF-2A | | | | |
| | USA | | USGAE-17R | 1994.009A | USA 99 (Milstar  DSF-1), i=7.51 | 39.00W | end 2010 |
| **38.00 W** | USA | | USGON-5 | | | | |
| **37.50 W** | USA | | USASAT-25A | 2009-009A | Telstar11N | 37.57W | Dec 2011 |
| | USA | | USASAT-25A-1 | 2005-003A | AMC 12 | 37.38W | Dec 2011 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | USA | | USASAT-26A | | | | |
| **36.00 W** | RUS | | YAMAL-W2 | | | | |
| **34.50 W** | USA | | INTELSAT8 325.5E | 2002-016A | Intelsat 903 | 34.45W | Dec 2011 |
| | USA | | INTELSAT6 325.5E | | | | |
| | USA | | INTELSAT9 325.5E | | | | |
| | USA | | INTELSAT7 325.5E | | | | |
| **34.00 W** | G | | SKYNET-4D | 2001-005B | Skynet 4F, i=4.95 | 34.08W | Dec 2011 |
| | G | | SKYNET-4M | | | | |
| | G | | SKYNET-5A | | | | |
| **33.50 W** | G | | UKDIGISAT-3 | 2010-065A | HYLAS-1 (antenna OK?) | 33.46W | Dec 2011 |
| **31.50 W** | USA | | INTELSAT8 328.5E | 2008-034A | Protostar 1 | 31.44W | Dec 2011 |
| | USA | | INTELSAT9 328.5E | | | | |
| **30.40 W** | USA | | USDKH2 | | | | |
| **30.00 W** | E | | HISPASAT-2B KU | 2000-007A | Hispasat 1C | 30.02W | Dec 2011 |
| | E | | HISPASAT-2A KU | 2006-007A | Spainsat | 29.95W | Dec 2011 |
| | E | | HISPASAT-2C3 KU | | | | |
| | E | | HISPASAT-2D KU | | | | |
| | USA | | USMB-2 | | | | |
| | USA | | USGGR-3 | | | | |
| | USA | | USCSID-E4 | | | | |
| | E | | HISPASAT-2AKA | | | | |
| | E | | HISPASAT-2B 30KA | | | | |
| | E | | HISPASAT-2AX | | | | |
| | E | | HISPASAT-1DKU | 2002-044A | Hispasat 1D | 29.46W | Dec 2011 |
| | E | | HISPASAT-1 | 2010-070A | Hispasat 1E | 29.98W | Dec 2011 |
| **29.50 W** | USA | | INTELSAT8 330.5E | 1997-009A | Intelsat 801, i=2.91 | 29.53W | Dec 2011 |
| | USA | | INTELSAT6 330.5E | | | | |
| | USA | | INTELSAT9 330.5E | | | | |
| **27.50 W** | USA | | INTELSAT7 332.5E | | | | |
| | USA | | INTELSAT6 332.5E | | | | |
| | USA | | INTELSAT8 332.5E | | | | |
| | USA | | INTELSAT9 332.5E | 2003-007A | Intelsat 907 | 27.46W | Dec 2011 |
| **26.50 W** | RUS | | STATSIONAR-D1 | | | | |
| | RUS | | VOLNA-13 | | | | |
| | RUS | | TOR-1M | | | | |
| | RUS | | STATSIONAR-17 | | | | |
| | RUS | | GALS-1 | | | | |
| **26.00 W** | G | | DJCF-2B | | | | |
| | | | | 1994-054A | USA 105 (Mercury 1), i=7.08 | 25.41W | end 2010 |
| **25.00 W** | RUS | | GALS-9 | | | | |
| | RUS | | VOLNA-1A | | | | |
| | RUS | | STATSIONAR-8 | | | | |
| | RUS | | TOR-9M | | | | |
| **24.5 W** | USA | | INTELSAT7 335.5E | | | | |
| | USA | | INTELSAT6 335.5E | | | | |
| | USA | | INTELSAT8 335.5E | | | | |
| | USA | | INTELSAT9 335.5E | 2002-027A | Intelsat 905 | 24.49W | Dec 2011 |
| **24.00 W** | RUS | | PROGOZ-1 | | | | |
| | USA | | USCSID-E3 | | | | |
| **23.00 W** | USA | | FLTSATCOM ATL | 1996-042A | USA 127 (UFO F7), i=5.19 | 22.73W | end 2010 |
| **22.50 W** | USA | | FLTSATCOM-C E ATL-1 | | | | |
| | USA | | KASATCOM-2 | | | | |
| **22.00 W** | HOL | | NSS-16 | 2002-019A | NSS-7 | 21.99W | Dec 2011 |
| **21.50 W** | HOL | | INTELSAT K 338.5E | | | | |
| | HOL | | INTELSAT5A 338.5E | | | | |
| | HOL | | INTELSAT8 338.5E | | | | |
| | HOL | | INTELSAT7 338.5E | | | | |
| **20.20 W** | BEL | | SATCOM-4/20.2W | | | | |
| **20.00 W** | USA | | INTELSAT7 340E | | | | |
| | USA | | INTELSAT6 340E | | | | |
| | USA | | INTELSAT8 340E | 1997-053A | Intelsat 803 = NSS 803 | 19.99W | Dec 2011 |
| | HOL | | NSS-31 | | | | |
| | USA | | INTELSAT9 340E | | | | |
| **19.00 W** | USA | | USMB-3 | | | | |
| **18.00 W** | USA | | INTELSAT7 342E | | | | |
| | USA | | INTELSAT8 342E | 2008-030A | Skynet 5C | 17.78W | Dec 2011 |
| | USA | | INTELSAT9 342E | 2001-024A | Intelsat 901 | 17.99W | Dec 2011 |
| **17.00 W** | G | | INMARSAT-3 AOR EAST-2 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **16.00 W** | RUS | | ZSSRD-2 | 2011-074B | Luch 5A drifting to planned | 16 W | Jan 2012 |
| | RUS | | WSDRN | | | | |
| **15.50 W** | USA | | FLTSATCOM-C E ATL-2 | 1989-077A | USA46(FLTSATCOM F8) | 15.37W | end 2010 |
| | G | | INMARSAT-3 AOR EAST | 1996-053A | Inmarsat 3-F2 | 15.43W | Dec 2011 |
| | G | | INMARSAT-2 AOR EAST | | | | |
| **15.00 W** | USA | | USASAT-14L | 1999-059A | Orion 2 | 15.00W | Dec 2011 |
| **14.50 W** | RUS | | GOMS-1M | 1998-029A | USA 139 (Adv. Orion 2), i=8.35 | 14.61W | end 2010 |
| **14.00 W** | RUS | | VOLNA-2 | | | | |
| | RUS | | EXPRESS-2 | 2002-029A | Ekspress A1R, i=1.31 | 13.96W | Dec 2011 |
| | RUS | | EXPRESS-2B | | | | |
| **13.50 W** | RUS | | POTOK-1 | | | | |
| | RUS | | FOTON-1 | | | | |
| **13.00 W** | USA | | P92-4 | | | | |
| | USA | | P-197-4 | | | | |
| | USA | | USCSID-E2 | | | | |
| | USA | | USTRO-4 | | | | |
| **12.50 W** | USA | | USLL-ATL2 | 2009-068A | USA 211 (WGS F3) | 12.27W | end 2010 |
| | F | EUT | EUTELSAT 3-12.5W | 2002-040A | Atlantic Bird 1 | 12.44W | Dec 2011 |
| | F | | F-SAT-KU2-E-12.5W | | | | |
| **12.00 W** | USA | | USGCSS PH3B ATL | | | | |
| | USA | | USGOVSAT-8 | 2000-065A | USA 153 (DSCS III B-11) | 11.82W | end 2010 |
| | USA | | TDRS 12W | | | | |
| **11.00 W** | RUS | | EXPRESS-3 | 2009-007A | Ekspress AM-44 | 10.98W | Dec 2011 |
| **10.00 W** | USA | | USLL-ATL | 2000-080A | USA 155 (SDS 3 F2), i=4.25 | 10.10W | end 2010 |
| | USA | | P92-3 | | | | |
| | USA | | P-197-5 | | | | |
| | USA | | USMB-4 | | | | |
| | USA | | USCSID-E1 | | | | |
| | USA | | USTRO-5 | | | | |
| | F | ESA | MSG-S2 | | | | |
| **9.50 W** | RUS | | KUPON-3 | | | | |
| **8.00 W** | F | | TELECOM-2A | 2001-042A | Atlantic Bird 2 | 8.09W | Dec 2011 |
| | F | | TELECOM-3A | 1996-044B | Telecom 2D. i=5.06 | 7.80W | Dec 2011 |
| | F | | SYRACUSE-3C | 2011-051A | Atlantic Bird 7 | 7.28W | Dec 2011 |
| | F | | TELECOM-4A | | | | |
| | F | | VIDEOSAT-6-KA | | | | |
| | F | | SYRACUSE-31C | | | | |
| | F | | F-SAT-KU-E-8W | | | | |
| | F | | VIDEOSAT-6 | | | | |
| | | | | 2000-046B | Nilesat 102 | 7.04W | Dec 2011 |
| | | | | 1998-024A | Nilesat 101 | 7.00W | Dec 2011 |
| | | | | 2010-037A | Nilesat 201 | 7.02W | Dec 2011 |
| **5.00 W** | F | | TELECOM-2B | 2002-035A | Atlantic Bird 3 | 4.95W | Dec 2011 |
| | F | | TELECOM-3B | | | | |
| | F | | SYRACUSE-3E | 2006-033B | Syracuse 3B | 5.16W | Dec 2011 |
| | F | | VIDEOSAT-7-KA | | | | |
| | F | | TELECOM-4B | | | | |
| | F | | SYRACUSE-31E | | | | |
| | F | | F-SAT-KU-E5W | | | | |
| | F | | VIDEOSAT-7 | | | | |
| **4.00 W** | ISR | | AMOS 1-B | 2003-059A | Amos 2 | 3.95W | Dec 2011 |
| | ISR | | AMOS 2-B | 2008-022A | Amos 3 | 4.00W | Dec 2011 |
| | | | | 1998-035A | Thor III, i=0.71 | 4.27W | Dec 2011 |
| **3.00 W** | RUS | | GALS-11 | 1997-042A | Agila 2 =ABS 3 | 3.08W | Dec 2011 |
| | RUS | | STATSIONAR-M2 | | | | |
| | RUS | IK | INTERSPUTNIK-3W | | | | |
| | RUS | | TOR-11M | | | | |
| | RUS | IK | INTERSPUTNIK-3W-Q | | | | |
| **1.00 W** | G | | SKYNET-4A | 1990-079A | Skynet 4C, i=10.97 | 1.20W | Dec 2011 |
| | G | | SKYNET-4J | | | | |
| | USA | | INTELSAT8 359E | 2004-022A | Intelsat 10-02 | 0.97W | Dec 2011 |
| | G | | SKYNET-5B | | | | |
| | USA | | INTELSAT9 359E | | | | |
| | USA | | INTELSAT10 359E | | | | |
| | USA | | INTELSAT7 359E | | | | |
| **0.80 W** | NOR | | BIFROST | 2008-006A | Thor 2R | 0.77W | Dec 2011 |
| | | | BIFROST-15 suspended | 2009-058B | Thor 6 | 0.82W | Dec 2011 |

# Annex II

# List of Space Networks with No Satellites at Nominal Positions

The Table lists “notified space networks” is an excerpt from the table in Annex I. Only space networks, notified in January 2012, having no satellites at their nominal orbital positions in the geostationary orbit have been listed.

The right-hand part of the Table contains five columns referring to specific dates in 2008 to 2012. No entry means that no space network was listed in the ITU Space Network List at that date.

“No sat” means that no satellite was present at that orbital position at the date in the heading. Remarks have been inserted in some cells quoting positions of nearby satellites.

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| | List of Space Networks with no Satellites at Nominal Positions | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Version of 4 Feb 2012 | | | | | |
| **Notified Space Networks** | | | | **Status as of** | | | | |
| **Nom. Long.** | **Adm** | **Ntwk Org** | **Space Network Name** | **5 May 2008** | **30 Nov 2009** | **17 Feb 2010** | **13 May 2011** | **16 Jan 2012** |
| | | | | | | | | |
| **1.00 E** | RUS | | VOLNA-21 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | GALS-15 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-15M | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-22 | No sat | No sat | No sat | No sat | No sat |
| | F | | GEOSAT KU 1E | --- | --- | --- | No sat | No sat |
| **5.50 E** | CTI | RAS | RASCOM-C | --- | --- | --- | No sat | No sat |
| | Remark: Satellite 2010-037B Rascom QAF is at 2.28E | | | | | | | |
| **8.00 E** | RUS | | VOLNA-15 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-18 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | GALS-7 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-8 M | --- | No sat | No sat | No sat | No sat |
| **8.50 E** | USA | | USGON-2 | USA149 | No sat | No sat | No sat | No sat |
| | Remark: Satellite 2000-024A USA 149 moved to 165W | | | | | | | |
| **14.00 E** | RUS | | TOR-12 M | --- | No sat | No sat | No sat | No sat |
| **15.00 E** | RUS | | GALS-12 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | VOLNA-23 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-23 | No sat | No sat | No sat | No sat | No sat |
| | Remark: Satellite 2011-057A Eutelsat W3C is at 15.12E | | | | | | | |
| **16.50 E** | F | | SATDAB-3A | --- | No sat | No sat | No sat | No sat |
| **17.00 E** | BLR | IK | INTERSPUTNIK-17E | No sat | No sat | No sat | No sat | No sat |
| **19.00 E** | LUX | | LUX-KA-19E | No sat | No sat | No sat | No sat | No sat |
| **23.00 E** | RUS | | VOLNA-17 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | GALS-8 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-19 | No sat | No sat | No sat | No sat | No sat |
| **24.00 E** | RUS | | TOR-7M | --- | No sat | No sat | No sat | No sat |
| **24.20 E** | LUX | | LUX-24.2E | --- | No sat | No sat | No sat | No sat |
| **35.00 E** | RUS | | GALS-6 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | PROGNOZ-3 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-2 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-D3 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | VOLNA-11 | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-2M | --- | No sat | No sat | No sat | No sat |
| **39.50 E** | G | | DJCF-1A | No sat | No sat | No sat | No sat | No sat |
| **50.50 E** | THA | | THAICOM-C1 | --- | --- | No sat | No sat | No sat |
| **58.00 E** | RUS | | TOR-13M | | No sat | No sat | No sat | No sat |
| **58.75 E** | CHN | | COMPASS-58.75E | No sat | No sat | No sat | No sat | No sat |
| **65.00 E** | G | | INMARSAT-3 IOR-2 | No sat | No sat | No sat | No sat | No sat |
| | G | | INMARSAT GSO-2H | --- | No sat | No sat | No sat | No sat |
| | Remark: Satellite 2006-024A USA 187 was at 65.04E in 2010 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **66.00 E** | G | | INTELSAT KA 66E | | Int 7 F-4 | No sat | Int 7 F-2 | --- | No sat |
| | USA | | INTELSAT INDOC | | Int 7 F-4 | No sat | Int 7 F-2 | --- | No sat |
| | USA | | INTELSAT5A 66E | | Int 7 F-4 | No sat | Int 7 F-2 | --- | No sat |
| | USA | | INTELSAT7 66E | | Int 7 F-4 | No sat | Int 7 F-2 | Int 7 F-2 | No sat |
| | USA | | INTELSAT9 66E | | --- | --- | Int 7 F-2 | Int 7 F-2 | No sat |
| | USA | | INTELSAT5 INDOC4 | | --- | --- | Int 7 F-2 | Int 7 F-2 | No sat |
| | Remark: Satellite 1994-034A Intelsat 702 moved to 47.52E in 2011 | | | | | | | | |
| **67.50 E** | UAE | | YAHSAT-BSS-67.5E | | --- | No sat | No sat | No sat | No sat |
| **68.00 E** | USA | | USASAT-14I-2 | | No sat | No sat | No sat | No sat | No sat |
| **69.00 E** | RUS | | GALS-14 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-14M | | --- | No sat | No sat | No sat | No sat |
| **77.00 E** | RUS | | CSSRD-2 | | No sat | No sat | No sat | No sat | No sat |
| | Remark: Satellite 2008-019A Tian Lian A is at 77.03E | | | | | | | | |
| **79.60 E** | CHN | | CHINASAT-34A | | --- | --- | --- | --- | No sat |
| **81.75 E** | RUS | | YAMAL-E3 | | No sat | No sat | No sat | No sat | No sat |
| **82.00 E** | USA | | USMB-11 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USGGR-8 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USCSID-A4 | | No sat | No sat | No sat | No sat | No sat |
| | AUS | | DEF-R-SAT-1A | | No sat | No sat | No sat | No sat | No sat |
| **85.40 E** | RUS | | STATSIONAR-D5 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | SADKO-1 | | --- | --- | --- | No sat | No sat |
| **92.00 E** | USA | | USCSID-A5 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USMB-12 | | No sat | No sat | No sat | No sat | No sat |
| **93.00 E** | AUS | | DEF-R-SAT-3A | | No sat | No sat | No sat | No sat | No sat |
| **99.00 E** | RUS | | STATSIONAR-T | | Ekran 21 | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-T2 | | Ekran 21 | No sat | No sat | No sat | No sat |
| **100.00 E** | USA | | USBUD-1 | | --- | Leasat 5 | Leasat 5 | No sat | No sat |
| | USA | | FLTSATCOM-A INDOC 4 | | --- | --- | --- | No sat | No sat |
| **101.50 E** | CHN | | CHINASAT-45 | | --- | No sat | No sat | No sat | No sat |
| **106.50 E** | USA | | USMB-13 | | No sat | No sat | No sat | No sat | No sat |
| **109.65 E** | J | | TAIKI-109.65-34.5 | | --- | BSat-1A | BSat-1A | No sat | No sat |
| **113.20 E** | CHN | | CHNBSAT -113.5E | | --- | --- | --- | --- | No sat |
| **116.20 E** | KOR | | COMS-116.2E | | --- | --- | --- | --- | No sat |
| **119.00 E** | CHN | | CHNBSAT- | 119E | --- | --- | --- | --- | No sat |
| **120.00 E** | J | | GMS-120E | | No sat | No sat | No sat | No sat | No sat |
| | THA | | THAICOM-A3 | | Thaicom1 | Thaicom1 | Thaicom1 | Thaicom1 | No sat |
| | THA | | THAICOM-AK3 | | Thaicom1 | Thaicom1 | Thaicom1 | Thaicom1 | No sat |
| | THA | | THAICOM-A3B | | Thaicom1 | Thaicom1 | Thaicom1 | Thaicom1 | No sat |
| | Remark: Satellite 2005-028A Thaicom 4 is at 119.50E, 1993-078B Thaicom 1 is driftimg | | | | | | | | |
| **121.00 E** | CHN | | DFH-3-OH | | No sat | No sat | No sat | No sat | No sat |
| | AUS | | DEF-R-SAT-4B 121.0E | | No sat | No sat | No sat | No sat | No sat |
| **126.00 E** | THA | | THAICOM C2 | | --- | No sat | No sat | No sat | No sat |
| | Remark: Satellite 1995-022A USA 110 is | | | | was at 126E in 2010 | | | | |
| **128.00 E** | RUS | | GALS-10 | | No sat | No sat | No sat | Raduga 1 | No sat |
| | RUS | | VOLNA-9 | | No sat | No sat | No sat | Raduga 1 | No sat |
| | RUS | | STATSIONAR-15 | | No sat | No sat | No sat | Raduga 1 | No sat |
| | RUS | | STATSIONAR-D6 | | No sat | No sat | No sat | Raduga 1 | No sat |
| | RUS | | STATSIONAR-D6-30B | | No sat | No sat | No sat | Raduga 1 | No sat |
| | Remark: Satellite 2004-010A Raduga 1 | | | | 1 7 was drifting in 2010 | | | | |
| **130.00 E** | RUS | | GALS-5 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | PROGNOZ-5 | | No sat | No sat | No sat | No sat | No sat |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | RUS | | TOR-10M | | --- | No sat | No sat | No sat | No sat |
| **131.00 E** | CHN | | APSTAR-1 | | No sat | No sat | No sat | No sat | No sat |
| **133.00 E** | USA | | TDRS 133E | | --- | --- | No sat | No sat | No sat |
| **140.40 E** | CHN | | CHINASAT-35B | | --- | --- | --- | --- | No sat |
| **143.72 E** | J | | N-SAT-143.72E | | --- | No sat | No sat | No sat | No sat |
| **144.50 E** | CHN | | CHINASAT-35C | | --- | --- | --- | --- | No sat |
| **157.00 E** | USA | | INTELSAT5A 157E | | Int 6 F-2 | No sat | No sat | No sat | No sat |
| | USA | | INTELSAT6 157E | | Int 6 F-2 | No sat | No sat | No sat | No sat |
| | USA | | INTELSAT7 157E | | Int 6 F-2 | No sat | No sat | No sat | No sat |
| | USA | | INTELSAT8 157E | | Int 6 F-2 | No sat | No sat | No sat | No sat |
| | Remark: Intelsat 6 F-2 moved in 2008 from 157E to 178 E | | | | | | | | |
| **163.00 E** | CHN | | CHINASAT-163E | | --- | No sat | No sat | No sat | No sat |
| **167.00 E** | RUS | | VSSRD-2 | | No sat | No sat | No sat | No sat | No sat |
| **174.00 E** | USA | | INTELSAT5A PAC1 | | Int 6 F-5 | No sat | No sat | --- | --- |
| | USA | | INTELSAT7 174E | | Int 6 F-5 | No sat | No sat | PAS 2 | No sat |
| | USA | | INTELSAT8 174E | | Int 6 F-5 | No sat | No sat | PAS 2 | No sat |
| | USA | | INTELSAT9 174E | | Int 6 F-5 | No sat | No sat | PAS 2 | No sat |
| | Remark: Satellite 1994-040A PAS 2 = In telsat 2 was drifting in 2011 | | | | | | | | |
| **177.00 E** | USA | | INTELSAT7 177E | | --- | No sat | No sat | No sat | No sat |
| | Remark: Satellite 2011-032A TL-102 was at 176.90E in Dec 2011 | | | | | | | | |
| **177.50 E** | USA | | MILSTAR 14 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USGAE-4 | | No sat | No sat | No sat | No sat | No sat |
| **179.00 E** | G | | INMARSAT-3 POR-1 | | No sat | No sat | No sat | No sat | No sat |
| | Remark: Satellite 1996-070A Inmarsat 3 F-3 was at 178.10E in Dec 2011 | | | | | | | | |
| **170.00 W** | RUS | | GALS-4 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-10 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-10A | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-D2 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-D2-30B | | No sat | No sat | No sat | --- | --- |
| | RUS | | TOR-5 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | VOLNA-7 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-5M | | --- | No sat | No sat | No sat | No sat |
| **168.00 W** | RUS | | FOTON-3 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | POTOK-3 | | No sat | No sat | No sat | No sat | No sat |
| **160.00 W** | RUS | | ESDRN | | No sat | No sat | No sat | No sat | No sat |
| **159.00 W** | RUS | | PROGNOZ-7 | | No sat | No sat | No sat | No sat | No sat |
| **141.00 W** | USA | | P-197-3 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | P-92-5 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USCID-W1 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USLL-PAC-2 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USTRO-3 | | --- | No sat | No sat | No sat | No sat |
| **133.00 W** | USA | | USASAT-22A | | Galaxy 15 | Galaxy 15 | Galaxy 15 | Galaxy 12 | No sat |
| | | | USASAT-35Y | | --- | Galaxy 15 | Galaxy 15 | Galaxy 12 | No sat |
| | | | LM-RPS-133W | | --- | --- | Galaxy 15 | Galaxy 12 | No sat |
| | Remark: Satellite 2003-15B Galaxy 12 relocating to 129W, | | | | | | Galaxy 15 librating around L2 | | |
| **128.00 W** | USA | | ASC-1 | | No sat | No sat | No sat | No sat | No sat |
| **120.00 W** | USA | | MILSTAR-6 | | No sat | No sat | No sat | No sat | No sat |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **114.90 W** | CAN | | ANIK D-2 | | No sat | Solid. 2 | Solid.2 | No sat | No sat |
| | Remark: Satellite 1994-065A Solidaridad 2 was at 114.79W in Dec 2011 | | | | | | | | |
| **96.80 W** | USA | | USOBO-2 | | --- | No sat | No sat | No sat | No sat |
| **92.00 W** | B | | SBTS-B4 | | No sat | No sat | No sat | No sat | No sat |
| **90.00 W** | USA | | MILSTAR-1 | | USA 169 | No sat | No sat | No sat | No sat |
| | USA | | USGAE-1 | | USA 169 | No sat | No sat | No sat | No sat |
| **81.00 W** | USA | | USASAT-9D | | Galaxy 9 | Galaxy 9 | Galaxy 9 | PAS 3R | PAS 3R |
| | ARG | | P-P-SAT-1 | | --- | Galaxy 9 | Galaxy 9 | PAS 3R | PAS 3R |
| | Remark: Satellite 1996-033A Galaxy9 and 1996-002PAS 3R are drifting | | | | | | | | |
| **79.00 W** | USA | | TDRS CENTRAL | | Satcom C3 | GE-5 | GE-5 | GE 2,GE 5 | GE 2 |
| | USA | | TDRS-C2 | | Satcom C3 | GE-5 | GE-5 | GE 2,GE 5 | GE 2 |
| | USA | | USASAT-24W | | Satcom C3 | GE-5 | GE-5 | GE 2,GE 5 | GE 2 |
| | USA | | USASAT-35T | | Satcom C3 | GE-5 | GE-5 | GE 2,GE 5 | GE 2 |
| | Remark: Satellite 1997-002A GE 2 dı drifting, GE-5 moved, Satcom C3 reorbited | | | | | | | | |
| **76.00 W** | USA | | USASAT-12C | | No sat | No sat | No sat | No sat | No sat |
| **62.00 W** | USA | | TDRS 62W | | TDRS 9 | TDRS 9 | TDRS 9 | TDRS 9 | No sat |
| | Remark: Satellite 2002-011A TDRS 9 was at 40.92W in Dec 2011 | | | | | | | | |
| **55.00 W** | G | | INMARSAT-2 AOR WEST | | No sat | No sat | No sat | No sat | No sat |
| **47.00 W** | USA | | USASAT-25E | | No sat | No sat | No sat | No sat | No sat |
| **42.50 W** | USA | | USGCSS PH3 MID ATL | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USGCSS PH3B MID ATL | | No sat | No sat | No sat | No sat | No sat |
| **38.00 W** | USA | | USGON-5 | | No sat | No sat | No sat | No sat | No sat |
| **33.50 W** | G | | UKDIGISAT-3 | | --- | --- | --- | --- | No sat |
| **30.40 W** | USA | | USDKH2 | | --- | No sat | No sat | No sat | No sat |
| **26.50 W** | RUS | | GALS-1 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-17 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | VOLNA-13 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-1M | | --- | No sat | No sat | No sat | No sat |
| **26.00 W** | G | | DJCF-2B | | --- | No sat | No sat | No sat | No sat |
| **25.00 W** | RUS | | GALS-9 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-8 | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | VOLNA-1A | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-9M | | --- | No sat | No sat | No sat | No sat |
| **24.00 W** | RUS | | PROGNOZ-1 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USCID-E3 | | No sat | No sat | No sat | No sat | No sat |
| **22.50 W** | USA | | FLTSATCOM-C E ATL-1 | | No sat | No sat | No sat | No sat | No sat |
| | USA | | KASATCOM-2 | | No sat | No sat | No sat | No sat | No sat |
| **21.50 W** | HOL | | INTELSAT K 338.5E | | No sat | No sat | No sat | No sat | No sat |
| | HOL | | INTELSAT5A 338.5E | | No sat | No sat | No sat | No sat | No sat |
| | HOL | | INTELSAT7 338.5E | | No sat | No sat | No sat | No sat | No sat |
| | HOL | | INTELSAT8 330.5E | | No sat | No sat | No sat | No sat | No sat |
| **20.20 W** | BEL | | SATCOM-4 20.2W | | --- | No sat | No sat | No sat | No sat |
| **17.00 W** | G | | INMARSAT-3 AOR East2 | | No sat | No sat | No sat | No sat | No sat |
| **16.00 W** | RUS | | WSDRN | | No sat | No sat | No sat | No sat | No sat |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **14.50 W** | RUS | | GOMS-1M | | | No sat | No sat | No sat | No sat | No sat |
| **13.50 W** | RUS | | FOTON-1 | | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | POTOK-1 | | | No sat | No sat | No sat | No sat | No sat |
| **13.00 W** | USA | | P-197-4 | | | No sat | No sat | No sat | No sat | No sat |
| | USA | | P92-4 | | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USCSID-E2 | | | No sat | No sat | No sat | No sat | No sat |
| | USA | | USTRO-4 | | | --- | No sat | No sat | No sat | No sat |
| **9.50 W** | RUS | | KUPON-3 | | | No sat | No sat | No sat | No sat | No sat |
| **3.00 W** | RUS | | GALS-11 | | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | STATSIONAR-M2 | | | No sat | No sat | No sat | No sat | No sat |
| | RUS | | TOR-11M | | | --- | No sat | No sat | No sat | No sat |
| | BLR | IK | INTERSPUTNIK-3W | | | No sat | No sat | No sat | No sat | No sat |
| | BLR | IK | INTERSPUTNIK-3W-Q | | | --- | No sat | No sat | No sat | No sat |
| | Remark: Satellite 1997-042A Agila-2 = ABS-5 was at 3.08W in Dec 2011 | | | | | | | | | |
| | | | | | | | | | | |