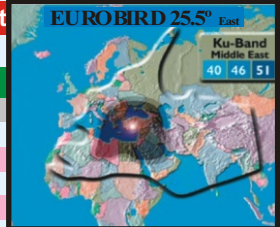


Channel	Type/Language	Freq/Pol.	S/R	FEC	VPID	APID	Mode	Crypt
EUROBIRD - 2 (25.5°E)								
Show Movies, MGM, TV Max, Bloomberg, FTV	TV-DIG-Crypt	11.012 H	27500	3/4	1280	1881	MPEG2	
Cinema City, Super Movies, MNL TV, Toon Disney	TV-DIG-Crypt	11.012 H	27500	3/4	1281	1981	MPEG 2	
Super Comedy, AL Riyadiyah, C-Span, Music Now	TV-DIG-Crypt	11.055 H	27500	3/4	312	412	MPEG2	
CNBC, America Plus, Sky News, Orbit News 2	TV-DIG-Crypt	11.055 H	27500	3/4	313	413	MPEG2	
Fox News, Marhabah(Crypt)	TV-DIG-FTA	11.075 H	27500	3/4	416	417	MPEG2	
Al Hayat Musalsalat, Watani, Al Habeeb TV, Family TV	TV-DIG-FTA	11.075 V	27500	3/4	312	412	MPEG2	
Al Lubnania, Talemia, Misk TV, Awal, WTV 128	TV-DIG-FTA	11.075 V	27000	3/4	512	612	MPEG2	
DMTV, Sajaya, Baharain TV, Al Lafetah, Al Daleel	TV-DIG-FTA	11.075 V	27000	3/4	712	812	MPEG2	
Discovery (science, Channel) Disney Playhouse Trace	TV-DIG-Crypt	11.096 H	27000	3/4	1120	1121	MPEG2	
Extreme Sports, Nickelodeon, Jim Jam, Extra Movie	TV-DIG-Crypt	11.096 H	27000	3/4	1220	1221	MPEG2	
Fox Sports, Orbit News, Disney Channel, Discovery L&T	TV-DIG-Crypt	11.604 H	27000	3/4	688	689	MPEG2	
BBC Prime, CN, Animal Planet, Cinema City	TV-DIG-Crypt	11.604 H	27000	3/4	788	789	MPEG2	
Boomerang, CNNI	TV-DIG-FTA	11.604 H	27000	3/4	592	593	MPEG2	
Al Jadeed, Mihnati, Art Vision, Alkhel, Karbula, DM TV	TV-DIG-FTA	11.662 V	27000	3/4	331	332	MPEG2	
Bahrain TV, Supreme Master, Hadi, Salwa, Talemia	TV-DIG-FTA	11.662 V	27000	3/4	333	334	MPEG2	
NBA TV, TCM, GMA Life TV, Fann, Super Movies	TV-DIG-Crypt	11.681 H	27000	3/4	768	769	MPEG2	
Pinoy Extreme, Zone Club, Cinema 1 & 2, History Ch.	TV-DIG-Crypt	11.681 H	27000	3/4	800	801	MPEG2	
INTELSAT - 12 (45°E)								
Neo Sports, Zee Sports, Star Cricket, VH-1	TV-DIG-Crypt	11.468 V	27680	3/4	3102	3103	MPEG2	
MTV, Channel V, Cartoon Network, Pogo	TV-DIG-Crypt	11.468 V	27680	3/4	3222	3223	MPEG2	
Nickelodeon, Rupavahini, Derana, Swarnwahini	TV-DIG-Crypt	11.468 V	27500	3/4	3262	3263	MPEG2	
TNI, Islam Channel, God TV, Aarti TV, Ranaroo	TV-DIG-Crypt	11.468 V	27500	3/4	3462	3463	MPEG2	
CNN, BBC World, NDTV, Al Jazeera, Star Movies	TV-DIG-Crypt	11.591 V	27689	3/4	1102	1103	MPEG2	
HBO, HBO Hits, HBO Filmy, Cine Max,	TV-DIG-Crypt	11.591 V	27689	3/4	1262	1263	MPEG2	
Zee Studio, Sat Max, Zee Cinema, Star Vijay	TV-DIG-Crypt	11.591 V	27689	3/4	1362	1363	MPEG2	
Star World, AXN, Hall Mark, Zee Music	TV-DIG-Crypt	11.591 V	27680	3/4	1422	1423	MPEG2	
Kalaingar TV, Bloomberg, UTV Movies,	TV-DIG-Crypt	11.632 V	27689	3/4	4102	4103	MPEG2	
UTV World Movies, Baby TV,	TV-DIG-Crypt	11.632 V	27689	3/4	4182	4183	MPEG2	
NDTV Good Times, Neo Cricket, Citi Hitz	TV-DIG-Crypt	11.673 V	27689	3/4	2440	2441	MPEG2	
Zee Cafe, Australia N/w, Discovery Living & Travel	TV-DIG-Crypt	11.673 V	27689	3/4	2442	2443	MPEG2	
Nat Geo Ad., Zee Trendz, Star Plus, Ten Sports	TV-DIG-Crypt	11.673 V	27689	3/4	2104	2105	MPEG2	
Zee TV, Animal Planet, Star Sports, ESPN	TV-DIG-Crypt	11.673 V	27689	3/4	2106	2107	MPEG2	
EUTELSAT - W5 (70.5 E)								
Euro News Asia, C Music, R.R. Promo, World Fashion	TV-DIG-FTA	11.305 V	17360	1/2	920	930	MPEG 2	
NTD TV	TV-DIG-FTA	11.334 V	6511	1/2	33	34	MPEG 2	
INSAT 4CR (74°E) (EDUSAT)								
Airtel Sat Max, Sub TV, Chutti	TV-SD-Crypt	11.470 H	28800	3/4	201	202	MPEG4	
Airtel Sony, HBO, AXN, ETV Bangla, Amrita	TV-DATA	11.470 H	28800	3/4	8190	1103	MPEG4	
ETV Marathi, ETV Kannada, ETV Urdu, CNN, 9X								
ETV, Gujarati, Star World, Star One, SDP, Suvarna								
Star Plus, Star Movies, Star Gold, Zee TV, India Vision								
NDTV Imagine, Zee Cinema, Asianet								
UTV World Movies, UTV Movies								
Airtel Maa TV, Star Ananda, Kalaingar, Fox History	TV-DATA	11.470 V	28800	3/4	8190	5523	MPEG4	
Manorama News, Star Majha, OTV, TV9 Kannada, Teja TV								
Zee (Cafe, Studio, Telgu, Trendz, Punjabi, Bangla, Marathi)								
Star (Vijay, Utsav), Colors, DD Gujarati, ETV UP, Gemini TV								
24 Hours, Kairali, Sahara (One, Filmy), M-1 Marathi								
Airtel Aakash Bangla, National Geography Channel	TV-SD-Crypt	11.470 V	28800	3/4	401	402	MPEG4	
Airtel DD (News, Urdu, Gyan Darshan, Rajya Sabha,	TV-DIG Data	11.504 V	19200	3/4	8190	3280	MPEG4	
National, Kashir, Bharti, Sahyadri, Podhigai, Chandana								
Loksh Sabha), Mahuaa, ETV (Bihar, Rajasthan, Oriya)								
Star Pravah, PTC Punjabi, MH1, News 24, Nepal 1								
Airtel Cartoon Network, Nick, Kids Mosaic	TV-SD-Crypt	11.550 H	28800	3/4	601	602	MPEG4	
Airtel Ten Sports, DD (Sports, Oriya) CNEB News	TV-DATA	11.550 H	28800	3/4	8190	2230	MPEG4	
Hungama TV, Disney Ch, Animax Bindass, Asianet News								
Star Sports, ESPN, Star Cricket, Ind News, Bhakti TV								
Zee Sports, Neo Sports, Neo Cricket, Pogo, NTV, Jetix								
PTC News, News Live, Kasturi, Bindass, ET Now								
Airtel Aaj Tak, Headlines Today, MTV, VH-1, ETC	TV-DATA	11.550 V	28800	3/4	8190	6277	MPEG4	
CNN-IBN, NDTV 24x7, NDTV India, NDTV Profit,								
Zoom, B4U Musics, Channel (V), Zee (News, Business)								
CNBC Awaz, CNBC TV-18, 9XM, DD Bangla, UTVi								
Star News, , Times Now, i News, ETV-2, Eenadu TV								
Sun TV, DD Pujabi, Topper, Bindass Movies , DD Bangla								



EUROBIRD-2 (25.5° E)

City	EL	AZ
Chennai	27.87	260.11
Delhi	24.64	248.95
Kolkata	16.31	258.74
Mumbai	34.02	253.98
Bangalore	29.71	259.91
Bhopal	27	252



INTELSAT-12 (45° E)

City	EL	AZ
Chennai	46	252
Delhi	41	232
Kolkata	35	248
Mumbai	51	238



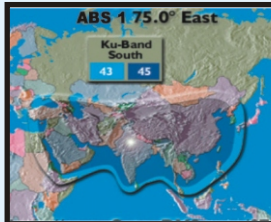
EUTELSAT W5 (70.5° E)

City	EL	AZ
Chennai	70.8	217.3
Delhi	55.8	193.7
Kolkata	56.7	220
Mumbai	67.6	187.3



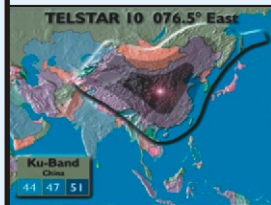
EDUSAT- 4CR (74.0° E)

City	EL	AZ
Chennai	73.00	206.00
Delhi	56.00	186.00
Kolkata	59.00	213.00
Mumbai	67.00	76.00
Bangalore	74.00	195.00
Bhopal	62.00	197.00



ABS 1 - (75° E)

City	EL	AZ
Chennai	73.4	202.2
Delhi	56.5	184.5
Kolkata	69.5	211.7



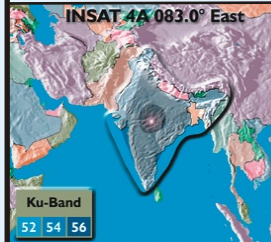
TELSTAR -10 (76.5° E)

City	EL	AZ
Chennai	73.00	196.00
Delhi	56.00	181.00
Kolkata	60.0	209.00



EXPRESS- AM2(80° E)

City	EL	AZ
Chennai	74.37	183.66
Delhi	55.72	176.07
Kolkata	61.5	203.26

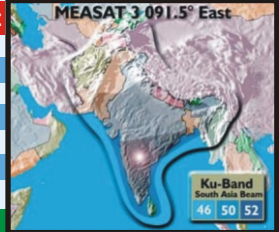


INSAT - 4A (83° E)

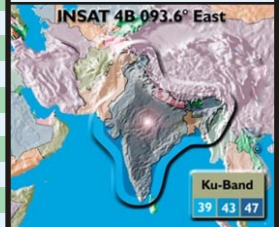
City	EL	AZ
Chennai	74.2	168.2
Delhi	56	168
Kolkata	62.8	193.8
Mumbai	64.9	151.1

Channel	Type/Language	Freq/Pol.	S/R	FEC	VPID	APID	Mode	Crypt
Airtel TV-9 Telgu, Zee Talkies, BBC World News	TV-DATA	11.630 H	28800	3/4	8190	3526	MPEG4	
Discovery L&T, Jaya Plus, IBN-7, India TV, Aastha								
NDTV Good Times, Asianet Plus, MGM, Star Jalsha,								
Sanskar Channel, Fashion TV, Raj TV, NE TV, Pix								
God TV, Isaiaruvi, Gemini Music, U-2, Jaya TV								
Airtel Discovery Ch., Animal Planet, Zee Kannada	TV-SD-Crypt	11.630 H	28800	3/4	401	402	MPEG4	
Airtel KTV, Sun News, Sun Music	TV-DATA	11.630 V	28800	3/4	8190	7501	MPEG4	
Udaya TV, Udaya Movies, Surya TV								
Airtel Kiran TV, My Account, iTV Portal, iMatinee	TV-DATA	11.630 V	28800	3/4	8190	7501	MPEG4	
Games Portal, Dynamic Update, Quick View, iCity								
iAstrology, iTravel, Help Main App, Bollywood-3								
Help Channel, Game 1&7, Regional 1&2, Hollywood								
ABS - 1 (75° E)								
Zoo, TV-21, Russkiy Extreme, Nickelodeon	TV-DIG-Crypt	12.549 V	22000	3/4	201	202	MPEG 2	
FTV, Nedvigimost TV, InterAZ, TVCL News	TV-DIG-FTA	12.579 H	22000	3/4	701	702	MPEG 2	
ABN Intl., AOne TV Sale, Top Shop TV	TV-DIG-FTA	12.579 H	22000	3/4	2008	3008	MPEG 2	
Supreme Master TV, Smile of a Child	TV-DIG-FTA	12.579 H	22000	3/4	281	537	MPEG 2	
A-1, TV Sale, Top Shop TV, Inter AZ, AL Hayatn	TV-DIG-FTA	12.579 V	22000	3/4	1402	1403	MPEG 2	
Fox (Crime, Life) Jetix, Russia, Kultura. TeleKanal	TV-DIG-Crypt	12.610 V	22000	3/4	1201	1203	MPEG 2	
Luxe TV, TV Club 2x2	TV-DIG-FTA	12.671 V	22000	3/4	101	102	MPEG 2	
Tajik TV, New Channel, TV Bakhoriston, TV Safina	TV-DIG-FTA	12.740 V	7242	3/4	1260	1220	MPEG 2	
TELSTAR - 10 (76.5° E)								
BLTV, UC TV, HOC, QTV, Congress, MAC TV, Life TV	TV-DIG-FTA	12.280 V	22425	3/4	288	289	MPEG 2	
Finance, SBN, World	TV-DIG-FTA	12.308 V	22425	3/4	800	801	MPEG 2	
Good TV, AFA TV, Top 1	TV-DIG-FTA	12.406 V	30000	3/4	560	561	MPEG 2	
Much TV, Era News, Azio TV, Happy, Hi-Play,	TV-DIG-Crypt	12.435 V	15000	3/4	1552	1553	MPEG 2	
T TV, CTV, CTS, FTV, PTS	TV-DIG-Crypt	12.462 V	22425	3/4	775	775	MPEG 2	
ETV Movies, ET Variety, FBC Financial News	TV-DIG-rypt	12.530 V	30000	3/4	1296	1257	MPEG 2	
ETTV Drama, ET TV News, STV, ET TV Asia	TV-DIG-rypt	12.530 V	30000	3/4	1297	1258	MPEG 2	
EXPRESS - AM2 (80° E)								
Enisey Region	TV-DIG-FTA	10.973 V	4444	3/4	4130	4131	MPEG 2	
OTC	TV-DIG-FTA	10.992 V	4441	3/4	276	277	MPEG 2	
Eurosport (TV 21, News), Hallmark, Kids Co	TV-DIG-Crypt	11.044 H	44948	3/4	310	410	MPEG 2	
Russya-Tomsk	TV-DIG-Crypt	11.463 V	3200	3/4	96	97	MPEG 2	
Neo Music, NGC, Ocean TV, Alfa, Discovery, AXN	TV-DIG-FTA	11.606 V	44948	3/4	330	430	MPEG 2	
Europe Channel, VHI Classic, Animal Planet, Dom Kino	TV-DIG-FTA	11.606 V	44948	3/4	431	432	MPEG 2	
Extreme Sports, Zee Russia, Discovery T&L, Universa	TV-DIG-FTA	11.606 V	44948	3/4	433	434	MPEG 2	
MH1 Hits, Telenyanyal, Discovery (World, Science)	TV-DIG-FTA	11.606 V	44948	3/4	435	436	MPEG 2	
INSAT - 4A (83° E)								
TATA-SKY Zee Studio, Zee Café NDTV Good Time,	TV-DIG-Crypt	10.970 H	28500	3/4	301	302	MPEG 2	
Star Gold, BBC Asia, Cbeebies, Suvarna , World Movies								
Star Movies, Real, HBO. WB								
TATA-SKY Udaya TV, Maa TV, Active Topper, ETV-2	TV-DIG-Crypt	11.010 H	27500	3/4	801	803	MEPG 2	
D.D. Chandana, Discovery Channel, Active Mall								
Udaya Movies, Topper, Channel 100								
TATA-SKY Toon disney, Star Majha, Raj TV, Nick	TV-DIG-Crypt	11.051 H	27500	3/4	2101	2102	MPEG 2	
PIX Movies, Hungama Ch., Animax, Chutti TV, Pogo								
Kalaingar TV, Disney Channel, Cartoon Network								
KTV, Isai Aruvi, Sakshi TV, Udaya Varthegalu, Sabse Tez								
TATA-SKY DD Punjabi, Nat GEO Asia, Channel V,	TV-DIG-Crypt	11.090 H	28500	3/4	201	202	MPEG 2	
Aastha, FTV, Zee Trendz, 9XM, Mahuaa TV, MTV								
Discovery T & L, Rajya Sabha Trigger, UTV I								
TATA-SKY Head Line Today, Times Now, IBN-7	TV-DIG-Crypt	11.131 H	28500	3/4	601	602	MPEG 2	
NDTV 24/7, CNN-IBN, Active Star News, News Live								
Active News Room, DD North East, CNN-IBN Trigger								
TATA-SKY Jaya TV, CNN Intl., Sun News, Kannada	TV-DIG-Crypt	11.170 H	28500	3/4	201	202	MPEG2	
BBC World, CNBC, TV-18, MH -1, TV-9, Sun Music								
Gemini News, Asia Net News, MI Marathi, NDTV Profit								
Zee Business, ETV Rajasthan								
TATA-SKY Star(Sports,Cricket) ESPN,Zee Kannada	TV-DIG-Crypt	11.470 H	28500	3/4	101	102	MPEG 2	
NEO(Cricket, Sports), Active Sports, ZeeTelugu, TV5								
TATA-SKY DD (Oriya,Sahyadri) OTV, Aakash Bangla	TV-DIG-Crypt	11.510 H	28500	3/4	201	202	MPEG 2	
ZEE (Marathi,Bangla) Star (Ananda,World), Kiran TV								
ETV (Marathi, Kannada, Bangala,MP), Surya TV, AXN								
TATA-SKY ETV Oriya, ETV Urdu, Zee Gujarati Asia	TV-DIG-Crypt	11.550 H	28500	3/4	9101	9202	MPEG 2	
DD Gujarati, Teja TV, ETV Gujrati, MGM, TCM								
TATA-SKY DD (Malayalam, Podigai), NETV, Sun TV	TV-DIG-Crypt	11.590 H	28500	3/4	101	102	MPEG 2	

Channel	Type/Language	Freq/Pol.	S/R	FEC	VPID	APID	Mode	Crypt
Kairali, (Color)18 Viacom,TV-9, Star (Vijay, Jalsha) Asia Net, Gemini (TV, Music), ETV Telugu, Amrita TV								
TATA-SKY Promo Channel, Help Disk, Star Pravah	TV-DIG-Crypt	11.630 H	28500	3/4	701	702	MPEG 2	
Home, Active (Cooking, Doordarshan), Udaya, Home								
TATA-SKY Ten Sports, Zoom TV, VH-1, News X	TV-DIG-Crypt	11.670 H	28500	3/4	201	202	MPEG 2	
Active (Game, Learning, Matrimony, Stories, Astrology)								
MEASAT -3 (91.5°E)								
Big TV Zee (Cinema, Studio, Business,TV, News)	TV-DIG-Data	12.523 V	27500	3/4	1811	1812	MPEG 4	
Zee(Trendz, Café),Aaj Tak, Surya TV, MTV India, Tez								
Sun TV, Sun News, Samay, Mahuaa Channel, Udaya								
Nick, UTV World Movies, Headline Today, Star Utsav								
Gemini Music, UTV Bindaas Movies, VH-1, Zoom TV								
Big TV DD Marathi, Suspense, Colors, Bhojpuri	TV-DIG-Crypt	12.563 V	27500	3/4	5001	5002	MPEG 4	
Romance, Choice Play 1, Kannada, Tamil, Bengali,								
Hindi (Family, Action, Drama, Comedy), Telgu, Gujarati								
Big TV UTV-Movies, Jetix, CNN, TV-99, Channel 11	TV-DIG-Data	12.603 V	27500	3/4	2691	2692	MPEG 4	
Disney Channel, PTC Punjabi, Filmy, ESPN KBC World								
Star (Vijay, Plus, Gold, World, Movies, News), WB								
India Vision, Channel (V), Ten Sports, Kasturi TV,								
NDTV (India, Good Times, Profit, 24x7)								
Big TV Zee (Telugu, Talkies, Kannada), Ani max, 9X	TV-DIG-Data	12.643 V	27500	3/4	2921	2922	MPEG 4	
DD (Oriya, Saphthagiri, Punjab, News, Kashir, National)								
DD (L Sabha, R Sabha, Sahyadri, Gyan Darshan, Gujrati)								
Star (One, Sport, Ananda), India News, NGC, Firangi								
Gemini TV, AXN, UTV Bindass, Fox History, O TV								
Big TV Times Now, TV-9 (Telgu, Kannada), Jaya TV	TV-DIG-Data	12.683 H	27500	3/4	1501	1502	MPEG 4	
Manorama News, Kairali TV, Neo Cricket, Aakash TV								
Zee (Bangla, Marathi, Punjabi, Gujrati), Asianet Plus								
Amrita TV, Asianet News, NTV News, Neo Sports								
Hungama TV, Asia Net Suvarna, Isai Aruvi, Asianet								
ETV (UP, Bihar, Rajsthan, MP, Urdu), Kalaingar, NE TV								
Big TV Zee Premiere, Chutti TV, OTV, IBN-7, HBO,	TV-DIG-Data	12.683 V	27500	3/4	2240	2241	MPEG 4	
ETV (Kannada, Gujrati, Bangla, MP), Maa TV, Sat Max								
ETV (2, Telugu, Oriya, Marathi) Pogo, Sony TV, News X,								
Star (Jalsa, Pravah), BBC World, Sahara One, SAB TV								
Discovery T & L, Pix, Cartoon Network, Animal Planet								
Big TV CNBC TV, 24 Ghanta, Raj TV, NDTV Imagine	TV-DIG-Data	12.723 H	27500	3/4	2101	2100	MPEG 4	
DD (Bharti, Sports, Podhigai) God TV, FTV, TV 18, 9xm								
India TV, Aashtha TV, CNBC Awaaz, Metro National								
Udaya TV, Udaya Movies, MI Marathi, ETC Punjabi,								
Gemini News, Sun Music, NDTV, MH 1, Star Majha								
MH-1, Sanskar TV, Kiran TV, IBN Lokmat, NDTV Metro								
Big TV CNN IBN, Shalom TV, Kiran TV, iCooking	TV-DIG-Data	12.723 V	27500	3/4	2501	2502	MPEG 4	
Star Cricket, Music India, Colors ESPN								
DD (Malyalam, Bengala, Urdu), My Account, Teja TV								
iNews, iCricket, iCare, UTVi								
INSAT 4B (95.0°E)								
Sun DTH Sun TV, Gemini TV, Vijaya TV, Udaya TV	TV-SD-Crypt	11.030 V	27500	3/4	102	101	MPEG 4	
Teja TV, Kalaingar, Udaya Movies, Jaya TV, Kiran TV								
Star Movies, Zee Marathi, Info Channel, K Channel								
Set Max, SS Music, Surya TV, ETV Oriya, Chirithira								
ETV Gujarati, MTV, Russia Today								
Sun DTH Sun (Music, News), Real TV, ETC Punjabi	TV-SD-Crypt	11.110 V	27500	3/4	102	101	MPEG 4	
Gemini (News, Music), Star Majaa, Jetix, Shalom TV								
Ch.V, Chutti TV, TV-9, Kalaingar Seithigal, Sahara One								
Raj TV, Pogo, ETV (Telugu, 2) Maa TV, World Movies								
Zee (Telgu, Punjabi, Gujarat) Bindass Movies, ESPN								
Sun DTH Makkal TV, Mega TV, HBO, Kushi, CNBC	TV-SD-Crypt	11.185 V	20000	3/4	36	35	MPEG 4	
Zee TV (Music, Café), Angel TV, Adithya, Hungama								
ETV (Urdu, Bengali), Star (One, Gold), Fox Crime								
Zoom TV, Podhigai, Kairali,								
Sun DTH Udaya2, Asianet Suvarana, Disney English	TV-SD-Crypt	11.530 V	27500	3/4	45	44	MPEG 4	
ETV Kannada, NDTV Good Time, TV-9 Kannada, WB								
Star (World, Ananda, Plus), NDTV Imagine, Baby TV								
Cartoon Network, CNN-IBN, Chintu, Neo Cricket								
Zee (Cinema, Studio), PTC Punjabi, Sakshi TV								
MI Marathi, Udaya Varthegalu, Hasyathere, Vasanth TV								



MEASAT - 3 (91.5°E)		
City	EL	AZ
Chennai	69.8	138.8
Delhi	53	151.9
Kolkata	63.3	171.9
Mumbai	59.2	133.9



INSAT - 4B (95.0°E)		
City	EL	AZ
Chennai	67	130.8
Delhi	51.2	146.1
Kolkata	62.5	163.2
Mumbai	56.4	128.5

