

Portugal

E=East Longitude W=West Longitude N= North Latitude S= South Latitude Az=Azimuth EI=Elevation Sk=Skew

		Türksat	Hellas	Eutelsat	ASTRA	ASTRA	ASTRA 1	Eutelsat	Hotbird	Eutelsat	Eutelsat	Sirius 4	Intelsat	Amos	Atlantic	Hispasat	
		2A/3A	Sat 2	W4/Sesat	1D/5A	2A-2D	1E/1G/3A					F/H/KR/L/M	W2				W1
		42.0 East	39.0 East	36.0 East	31.5 East	28.2 East	23.5 East	19.2 East	16.0 East	13.0 East	10.0 East	7.0 East	4.8 East	1.0 West	4.0 West	5.0 West	30.0 West
Almada N 38.7, W 9.2	Az	116.7	119.2	121.8	126.0	129.3	134.2	139.2	143.0	146.9	150.9	155.1	158.3	167.0	171.7	173.3	211.3
	EI	21.2	23.4	25.5	28.7	30.9	33.8	36.4	38.1	39.6	40.9	42.1	42.9	44.4	44.9	45.0	40.2
	Sk	-44.2	-42.9	-41.5	-32.1	-30.2	-27.0	-23.7	-28.0	-25.3	-22.3	-19.2	-16.8	-10.1	-6.5	-5.2	23.9
Almodovar N 37.5, W 8.0	Az	117.1	119.6	122.2	126.5	129.8	134.8	139.8	143.8	147.8	151.9	156.2	159.5	168.6	173.5	175.1	213.6
	EI	22.6	24.9	27.1	30.2	32.5	35.5	38.0	39.8	41.3	42.6	43.8	44.5	45.9	46.3	46.4	40.8
	Sk	-45.0	-43.6	-42.2	-32.7	-30.6	-27.3	-23.8	-27.9	-25.0	-21.9	-18.6	-16.1	-9.0	-5.2	-3.9	26.0
Amadora N 38.8, W 9.2	Az	116.7	119.3	121.9	126.1	129.3	134.3	139.2	143.1	146.9	150.9	155.1	158.3	167.1	171.7	173.3	211.2
	EI	21.1	23.3	25.5	28.6	30.8	33.8	36.3	38.0	39.5	40.8	42.0	42.8	44.3	44.7	44.9	40.1
	Sk	-44.1	-42.8	-41.4	-32.0	-30.1	-26.9	-23.6	-27.9	-25.2	-22.3	-19.1	-16.8	-10.1	-6.4	-5.2	23.8
Barreiro N 38.7, W 9.1	Az	116.8	119.3	121.9	126.1	129.4	134.4	139.3	143.2	147.0	151.0	155.2	158.4	167.2	171.9	173.5	211.4
	EI	21.2	23.4	25.6	28.7	30.9	33.9	36.4	38.1	39.6	41.0	42.1	42.9	44.4	44.9	45.0	40.2
	Sk	-44.2	-42.9	-41.5	-32.1	-30.1	-26.9	-23.6	-27.9	-25.2	-22.2	-19.1	-16.7	-10.0	-6.3	-5.1	24.0
Beja N 38.0, W 7.9	Az	117.4	120.0	122.6	126.9	130.2	135.3	140.3	144.3	148.2	152.3	156.6	159.9	168.9	173.7	175.3	213.4
	EI	22.5	24.7	26.8	30.0	32.2	35.2	37.7	39.4	40.8	42.1	43.3	44.0	45.4	45.8	45.9	40.3
	Sk	-44.4	-43.1	-41.6	-32.1	-30.0	-26.7	-23.3	-27.4	-24.5	-21.5	-18.2	-15.7	-8.7	-5.0	-3.7	25.7
Braga N 41.5, W 8.4	Az	118.7	121.4	124.1	128.4	131.7	136.8	141.7	145.6	149.4	153.3	157.4	160.5	168.9	173.4	174.9	210.9
	EI	20.4	22.4	24.4	27.4	29.4	32.1	34.4	36.0	37.3	38.5	39.5	40.2	41.5	41.8	41.9	37.2
	Sk	-41.1	-39.8	-38.3	-28.9	-27.0	-23.9	-20.6	-25.0	-22.4	-19.6	-16.7	-14.5	-8.3	-5.0	-3.8	22.6
Coimbra N 40.2, W 8.4	Az	118.1	120.7	123.4	127.7	131.0	136.0	141.0	144.9	148.7	152.7	156.9	160.0	168.6	173.2	174.7	211.5
	EI	21.0	23.1	25.2	28.2	30.3	33.2	35.5	37.2	38.5	39.8	40.9	41.5	42.9	43.3	43.4	38.4
	Sk	-42.4	-41.1	-39.6	-30.2	-28.2	-25.0	-21.7	-26.1	-23.4	-20.5	-17.4	-15.1	-8.7	-5.2	-4.0	23.5
Faro N 37.0, W 7.9	Az	116.9	119.4	122.0	126.2	129.5	134.6	139.6	143.6	147.6	151.8	156.2	159.5	168.6	173.5	175.2	214.0
	EI	23.0	25.2	27.4	30.6	32.9	35.9	38.5	40.3	41.8	43.1	44.3	45.0	46.5	46.9	47.0	41.2
	Sk	-45.4	-44.1	-42.6	-33.1	-31.0	-27.7	-24.2	-28.3	-25.3	-22.2	-18.8	-16.3	-9.1	-5.2	-3.8	26.5
Figueira da Foz N 40.1, W 8.9	Az	117.6	120.2	122.9	127.1	130.4	135.4	140.3	144.2	148.0	152.0	156.1	159.3	167.8	172.4	174.0	210.9
	EI	20.7	22.8	24.9	28.0	30.1	32.9	35.4	37.0	38.4	39.7	40.8	41.5	42.9	43.3	43.4	38.8
	Sk	-42.7	-41.4	-40.0	-30.6	-28.6	-25.5	-22.2	-26.6	-23.9	-21.0	-18.0	-15.7	-9.3	-5.8	-4.6	23.2
Lagos N 37.1, W 8.7	Az	116.3	118.8	121.4	125.5	128.8	133.8	138.7	142.7	146.6	150.7	155.0	158.3	167.4	172.2	173.9	212.9
	EI	22.3	24.6	26.8	30.0	32.3	35.4	38.0	39.8	41.3	42.7	43.9	44.7	46.2	46.7	46.8	41.5
	Sk	-45.7	-44.4	-42.9	-33.5	-31.5	-28.2	-24.8	-28.9	-26.1	-23.0	-19.7	-17.2	-10.1	-6.2	-4.9	25.7
Lisboa (Lissabon) N 38.7, W 9.2	Az	116.7	119.2	121.8	126.0	129.3	134.2	139.2	143.0	146.9	150.9	155.1	158.3	167.0	171.7	173.3	211.3
	EI	21.2	23.4	25.5	28.7	30.9	33.8	36.4	38.1	39.6	40.9	42.1	42.9	44.4	44.9	45.0	40.2
	Sk	-44.2	-42.9	-41.5	-32.1	-30.2	-27.0	-23.7	-28.0	-25.3	-22.3	-19.2	-16.8	-10.1	-6.5	-5.2	23.9

Mertola N 37.7, W 7.7	Az	117.4	120.0	122.6	126.9	130.2	135.3	140.3	144.3	148.3	152.4	156.8	160.1	169.1	174.0	175.6	213.9
	El	22.8	25.0	27.2	30.3	32.5	35.5	38.0	39.8	41.2	42.5	43.7	44.4	45.7	46.1	46.2	40.5
	Sk	-44.6	-43.3	-41.8	-32.3	-30.2	-26.8	-23.3	-27.5	-24.6	-21.5	-18.2	-15.6	-8.6	-4.8	-3.5	26.2
Odemira N 37.6, W 8.7	Az	116.5	119.0	121.7	125.8	129.1	134.1	139.1	143.0	146.9	151.0	155.3	158.5	167.5	172.3	174.0	212.6
	El	22.1	24.3	26.5	29.7	31.9	35.0	37.6	39.3	40.8	42.2	43.4	44.2	45.7	46.1	46.2	41.0
	Sk	-45.1	-43.8	-42.4	-33.0	-30.9	-27.7	-24.3	-28.5	-25.7	-22.6	-19.4	-16.9	-9.9	-6.1	-4.8	25.3
Portimao N 37.1, W 8.5	Az	116.4	118.9	121.5	125.7	129.0	134.0	139.0	142.9	146.9	151.0	155.3	158.6	167.7	172.6	174.2	213.2
	El	22.5	24.7	26.9	30.1	32.4	35.5	38.1	39.9	41.4	42.8	44.0	44.8	46.3	46.7	46.8	41.4
	Sk	-45.6	-44.3	-42.8	-33.4	-31.3	-28.0	-24.6	-28.7	-25.9	-22.8	-19.5	-16.9	-9.8	-5.9	-4.6	25.9
Porto N 41.2, W 8.6	Az	118.4	121.0	123.7	128.0	131.4	136.4	141.3	145.2	149.0	152.9	157.0	160.1	168.6	173.0	174.5	210.8
	El	20.4	22.5	24.5	27.4	29.5	32.3	34.6	36.2	37.5	38.7	39.8	40.4	41.8	42.2	42.2	37.6
	Sk	-41.4	-40.2	-38.7	-29.3	-27.4	-24.3	-21.1	-25.4	-22.8	-20.0	-17.1	-14.8	-8.6	-5.2	-4.1	22.6
Setubal N 38.5, W 8.9	Az	116.8	119.4	122.0	126.2	129.5	134.5	139.4	143.3	147.2	151.2	155.4	158.6	167.4	172.2	173.8	211.8
	El	21.5	23.7	25.8	29.0	31.2	34.2	36.7	38.4	39.9	41.2	42.4	43.2	44.6	45.1	45.2	40.3
	Sk	-44.3	-43.0	-41.6	-32.2	-30.2	-27.0	-23.6	-27.9	-25.1	-22.2	-19.0	-16.6	-9.8	-6.1	-4.9	24.4
Torres Vedras N 39.1, W 9.3	Az	116.8	119.3	122.0	126.2	129.4	134.4	139.3	143.2	147.0	151.0	155.1	158.3	167.0	171.6	173.2	210.9
	El	20.9	23.1	25.2	28.3	30.5	33.5	36.0	37.7	39.2	40.5	41.7	42.4	43.9	44.4	44.5	39.9
	Sk	-43.8	-42.6	-41.2	-31.8	-29.8	-26.7	-23.4	-27.7	-25.0	-22.1	-19.1	-16.7	-10.1	-6.5	-5.3	23.5
Vila Novo de Gaia N 41.1, W 8.7	Az	118.3	120.9	123.6	127.9	131.2	136.2	141.2	145.0	148.8	152.8	156.9	159.9	168.4	172.9	174.4	210.7
	El	20.4	22.4	24.5	27.4	29.5	32.3	34.6	36.2	37.6	38.8	39.8	40.5	41.8	42.3	42.3	37.7
	Sk	-41.6	-40.3	-38.9	-29.5	-27.5	-24.4	-21.2	-25.6	-23.0	-20.2	-17.2	-15.0	-8.7	-5.4	-4.2	22.6