

Germany eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth EI=Elevation

		Tuerksat 1C Eurasiasat 1	ASTRA 2A/2B/2D Eurobird 1	ASTRA 1B - 1H/2C	Eutelsat W2	Hotbird 1 - 6	Eutelsat W1	Eutelsat W3	Intelsat 707 / Thor 2 - 3	Atlantic Bird 3	HISPASAT 1B-D
		42.0 Ost	28.2 Ost	19.2 Ost	16.0 Ost	13.0 Ost	10.0 Ost	7.0 Ost	1.0 West	5.0 West	30.0 West
Aachen	Az: 136.9	152.3	163.3	167.3	171.1	174.9	178.8	189.1	194.2	223.2	
eL 6.1; B + 50.8	EI: 22.8	28.2	30.5	31.1	31.5	31.7	31.8	31.5	30.9	22.7	
Aalen	Az: 140.4	156.5	168.0	172.2	176.2	180.1	184.1	194.6	199.7	228.2	
eL 10.1; B + 48.8	EI: 26.2	31.3	33.3	33.7	33.9	34.0	33.9	33.0	32.1	22.2	
Amberg	Az: 142.6	158.9	170.4	174.5	178.5	182.4	186.4	196.7	201.7	229.7	
eL 11.9; B + 49.5	EI: 26.4	31.2	32.9	33.2	33.3	33.3	33.1	32.0	31.0	20.9	
Aschaffenburg	Az: 139.9	155.7	167.0	171.1	175.0	178.9	182.8	193.2	198.2	226.8	
eL 9.2; B + 50.0	EI: 24.8	29.9	31.9	32.4	32.6	32.7	32.7	31.9	31.2	21.9	
Augsburg	Az: 141.1	157.4	169.0	173.2	177.2	181.2	185.2	195.7	200.9	229.2	
eL 10.9; B + 48.4	EI: 26.9	32.0	33.9	34.3	34.4	34.5	34.4	33.3	32.4	22.1	
Bad Hersfeld	Az: 140.8	156.7	167.8	171.9	175.8	179.6	183.5	193.7	198.7	227.0	
eL 9.7; B + 50.9	EI: 24.3	29.2	31.1	31.5	31.7	31.8	31.7	30.9	30.1	20.9	
Bad Homburg	Az: 139.4	155.2	166.3	170.4	174.3	178.2	182.1	192.4	197.5	226.1	
eL 8.6; B + 50.2	EI: 24.4	29.5	31.6	32.0	32.3	32.4	32.4	31.7	31.0	21.9	
Bad Neuenahr	Az: 137.9	153.5	164.5	168.6	172.4	176.3	180.2	190.5	195.5	224.4	
eL 7.1; B + 50.6	EI: 23.5	28.8	31.0	31.5	31.8	32.0	32.1	31.6	31.0	22.4	
Bad Reichenhall	Az: 143.0	159.7	171.5	175.8	179.8	183.9	187.9	198.5	203.6	231.5	
eL 12.9; B + 47.7	EI: 28.3	33.2	34.8	35.1	35.2	35.1	34.9	33.5	32.5	21.4	
Baden-Baden	Az: 138.4	154.2	165.6	169.7	173.7	177.7	181.6	192.2	197.4	226.3	
eL 8.2; B + 48.8	EI: 25.4	30.8	33.1	33.5	33.9	34.0	34.0	33.3	32.6	23.2	
Bamberg	Az: 141.7	157.8	169.2	173.3	177.2	181.2	185.1	195.4	200.4	228.5	
eL 10.9; B + 49.9	EI: 25.6	30.5	32.3	32.6	32.8	32.8	32.7	31.7	30.8	21.0	
Bayreuth	Az: 142.5	158.7	170.1	174.2	178.1	182.1	186.0	196.3	201.3	229.2	
eL 11.6; B + 50.0	EI: 25.9	30.6	32.3	32.6	32.7	32.7	32.6	31.5	30.6	20.6	
Bergen	Az: 146.2	162.0	172.9	176.8	180.5	184.2	187.9	197.6	202.3	229.3	
eL 13.4; B + 54.4	EI: 22.7	26.5	27.7	27.9	27.9	27.8	27.6	26.5	25.7	16.7	
Berlin	Az: 145.5	161.6	172.7	176.7	180.5	184.3	188.1	197.9	202.8	230.0	
eL 13.4; B + 52.5	EI: 24.4	28.4	29.7	29.9	30.0	29.9	29.7	28.5	27.6	18.0	
Bielefeld	Az: 140.0	155.6	166.6	170.6	174.3	178.1	181.9	192.0	197.0	225.3	
eL 8.5; B + 52.0	EI: 22.9	27.7	29.7	30.1	30.4	30.5	30.5	29.8	29.2	20.7	
Bingen	Az: 139.2	155.3	166.8	171.0	175.0	179.0	183.0	193.7	198.9	227.7	
eL 9.3; B + 48.1	EI: 26.4	31.8	33.9	34.4	34.6	34.8	34.7	33.9	33.0	23.1	
Bonn	Az: 138.0	153.5	164.5	168.6	172.4	176.3	180.1	190.4	195.5	224.3	
eL 7.1; B + 50.7	EI: 23.3	28.6	30.8	31.3	31.6	31.8	31.9	31.4	30.8	22.3	
Braunschweig	Az: 142.3	158.1	169.1	173.1	176.9	180.7	184.5	194.5	199.4	227.2	
eL 10.5; B + 52.3	EI: 23.5	28.0	29.7	30.0	30.2	30.2	30.1	29.3	28.5	19.5	
Bremen	Az: 140.7	156.2	167.1	171.0	174.8	178.5	182.3	192.2	197.1	225.2	
eL 8.8; B + 53.1	EI: 22.1	26.8	28.6	29.0	29.2	29.3	29.3	28.7	28.0	19.7	
Bremerhaven	Az: 140.6	156.1	166.9	170.8	174.5	178.2	182.0	191.9	196.7	224.8	
eL 8.6; B + 53.6	EI: 21.7	26.2	28.1	28.5	28.7	28.8	28.8	28.2	27.6	19.5	
Celle	Az: 141.9	157.6	168.6	172.6	176.3	180.1	183.9	193.8	198.7	226.6	
eL 10.1; B + 52.6	EI: 23.0	27.5	29.2	29.6	29.8	29.8	29.8	29.0	28.2	19.5	
Chemnitz	Az: 144.3	160.6	171.9	176.0	179.9	183.8	187.6	197.7	202.6	230.2	
eL 12.9; B + 50.8	EI: 25.7	30.0	31.5	31.7	31.8	31.7	31.5	30.3	29.4	19.4	
Coburg	Az: 142.0	158.0	169.3	173.5	177.4	181.3	185.2	195.4	200.4	228.5	
eL 11.0; B + 50.3	EI: 25.4	30.1	31.9	32.2	32.4	32.4	32.3	31.3	30.4	20.7	
Cottbus	Az: 146.3	162.6	173.8	177.9	181.7	185.5	189.3	199.2	204.1	231.2	
eL 14.3; B + 51.8	EI: 25.4	29.4	30.6	30.8	30.8	30.6	30.4	29.1	28.1	18.0	
Darmstadt	Az: 139.3	155.1	166.3	170.4	174.3	178.2	182.2	192.5	197.6	226.3	
eL 8.7; B + 49.9	EI: 24.7	29.9	32.0	32.4	32.7	32.8	32.8	32.1	31.4	22.2	
Deggendorf	Az: 143.6	160.1	171.7	176.0	180.0	183.9	187.9	198.3	203.3	231.1	
eL 13.0; B + 48.8	EI: 27.4	32.1	33.7	33.9	34.0	33.9	33.7	32.4	31.4	20.7	
Donaueschingen	Az: 138.3	154.3	165.7	169.9	173.9	178.0	182.0	192.7	197.9	227.0	
eL 8.5; B + 48.0	EI: 26.2	31.7	34.0	34.5	34.8	34.9	34.9	34.2	33.4	23.7	
Donauwörth	Az: 141.1	157.3	168.9	173.1	177.1	181.0	185.0	195.5	200.6	228.9	
eL 10.8; B + 48.7	EI: 26.6	31.6	33.5	33.9	34.1	34.1	34.0	33.0	32.1	21.9	
Dortmund	Az: 138.7	154.2	165.1	169.1	172.9	176.8	180.6	190.8	195.8	224.4	
eL 7.5; B + 51.5	EI: 22.8	27.9	30.0	30.5	30.8	31.0	31.0	30.5	29.9	21.5	
Dresden	Az: 145.3	161.7	173.0	177.1	181.0	184.8	188.6	198.7	203.6	230.9	
eL 13.7; B + 51.1	EI: 25.8	30.0	31.3	31.5	31.6	31.5	31.2	29.9	28.9	18.8	
Duisburg	Az: 137.9	153.3	164.3	168.3	172.0	175.9	179.7	189.9	194.9	223.7	
eL 6.8; B + 51.4	EI: 22.6	27.8	30.0	30.5	30.8	31.1	31.1	30.7	30.1	21.9	
Düsseldorf	Az: 137.8	153.3	164.2	168.2	172.0	175.9	179.7	189.9	195.0	223.8	
eL 6.8; B + 51.2	EI: 22.8	28.0	30.2	30.7	31.1	31.3	31.4	30.9	30.3	22.1	

Elmshorn	Az:	141.9	157.4	168.2	172.1	175.8	179.6	183.3	193.1	198.0	225.8
eL 9.7; B + 53.8	El:	21.9	26.3	28.0	28.4	28.6	28.6	28.6	27.9	27.2	18.9
Emden	Az:	139.1	154.4	165.2	169.1	172.8	176.5	180.2	190.2	195.1	223.4
eL 7.2; B + 53.4	El:	21.2	26.1	28.0	28.5	28.8	29.0	29.0	28.6	28.0	20.2
Erfurt	Az:	142.3	158.3	169.5	173.6	177.5	181.3	185.2	195.3	200.3	228.2
eL 11.0; B + 51.0	El:	24.8	29.4	31.1	31.4	31.6	31.6	31.5	30.5	29.7	20.2
Essen	Az:	138.2	153.6	164.6	168.6	172.4	176.2	180.0	190.2	195.2	223.9
eL 7.0; B + 51.5	El:	22.7	27.8	30.0	30.5	30.8	31.0	31.1	30.6	30.0	21.8
Feuchtwangen	Az:	140.8	156.9	168.3	172.5	176.5	180.4	184.4	194.8	199.9	228.3
eL 10.3; B + 49.2	El:	26.0	31.1	33.0	33.3	33.5	33.6	33.5	32.6	31.7	21.8
Flensburg	Az:	142.0	157.4	168.1	172.0	175.6	179.3	183.0	192.7	197.5	225.2
eL 9.4; B + 54.8	El:	21.0	25.2	26.9	27.2	27.4	27.5	27.5	26.8	26.2	18.2
Frankfurt am Main	Az:	139.4	155.2	166.4	170.5	174.4	178.3	182.2	192.5	197.6	226.2
eL 8.7; B + 50.1	El:	24.5	29.6	31.7	32.1	32.4	32.6	32.5	31.8	31.1	22.0
Frankfurt an der Oder	Az:	146.7	162.9	174.1	178.2	182.0	185.7	189.5	199.4	204.2	231.2
eL 14.5; B + 52.3	El:	25.0	28.8	30.0	30.1	30.1	30.0	29.7	28.4	27.5	17.5
Freiburg im Breisgau	Az:	137.6	153.5	164.9	169.1	173.1	177.1	181.1	191.8	197.1	226.3
eL 7.9; B + 48.0	El:	25.8	31.5	33.8	34.3	34.7	34.8	34.9	34.2	33.5	24.0
Freising	Az:	142.1	158.5	170.1	174.3	178.3	182.3	186.3	196.8	201.9	230.0
eL 11.8; B + 48.4	El:	27.3	32.2	34.0	34.3	34.4	34.4	34.3	33.1	32.1	21.6
Fulda	Az:	140.7	156.6	167.8	171.8	175.7	179.6	183.5	193.7	198.7	227.1
eL 9.7; B + 50.6	El:	24.6	29.5	31.4	31.8	32.0	32.1	32.0	31.2	30.4	21.2
Garmisch-Partenkirchen	Az:	140.9	157.4	169.1	173.4	177.4	181.5	185.6	196.2	201.4	229.8
eL 11.1; B + 47.5	El:	27.7	32.9	34.9	35.2	35.4	35.4	35.3	34.2	33.2	22.6
Gera	Az:	143.4	159.6	170.8	174.9	178.8	182.7	186.5	196.7	201.6	229.3
eL 12.1; B + 50.9	El:	25.3	29.8	31.4	31.6	31.7	31.7	31.5	30.4	29.5	19.8
Goslar	Az:	142.0	157.8	168.9	172.9	176.7	180.6	184.4	194.4	199.3	227.3
eL 10.4; B + 51.9	El:	23.8	28.4	30.1	30.4	30.6	30.6	30.5	29.7	28.9	19.8
Greifswald	Az:	146.0	161.9	172.8	176.8	180.5	184.2	187.9	197.6	202.3	229.4
eL 13.4; B + 54.1	El:	23.0	26.8	28.0	28.2	28.3	28.2	28.0	26.9	26.0	16.9
Görlitz	Az:	146.8	163.2	174.6	178.7	182.6	186.4	190.2	200.2	205.0	232.1
eL 15.0; B + 51.2	El:	26.2	30.1	31.3	31.4	31.4	31.3	31.0	29.5	28.5	18.1
Göttingen	Az:	141.3	157.1	168.2	172.3	176.1	179.9	183.7	193.9	198.8	226.9
eL 9.9; B + 51.5	El:	23.9	28.6	30.4	30.8	31.0	31.0	31.0	30.1	29.4	20.4
Halberstadt	Az:	142.7	158.6	169.7	173.7	177.5	181.3	185.1	195.2	200.1	227.9
eL 11.0; B + 51.9	El:	24.0	28.5	30.1	30.5	30.6	30.6	30.5	29.6	28.8	19.6
Halle	Az:	141.1	156.8	167.8	171.9	175.6	179.5	183.3	193.3	198.3	226.4
eL 9.6; B + 52.0	El:	23.3	28.0	29.8	30.2	30.4	30.5	30.5	29.7	29.0	20.2
Hamburg	Az:	142.2	157.8	168.7	172.6	176.3	180.0	183.8	193.6	198.5	226.2
eL 10.0; B + 53.6	El:	22.2	26.6	28.3	28.6	28.8	28.8	28.8	28.0	27.3	18.8
Hameln	Az:	140.9	156.6	167.6	171.6	175.4	179.2	183.0	193.0	198.0	226.1
eL 9.4; B + 52.1	El:	23.2	27.9	29.7	30.1	30.3	30.4	30.4	29.6	28.9	20.2
Hamm	Az:	139.1	154.7	165.6	169.6	173.4	177.2	181.0	191.2	196.2	224.7
eL 7.8; B + 51.7	El:	22.9	27.9	29.9	30.4	30.7	30.8	30.9	30.3	29.7	21.2
Hannover	Az:	141.4	157.1	168.1	172.1	175.9	179.7	183.4	193.5	198.4	226.4
eL 9.7; B + 52.4	El:	23.1	27.7	29.5	29.8	30.0	30.1	30.1	29.3	28.6	19.8
Heide	Az:	141.4	156.9	167.6	171.5	175.2	178.9	182.6	192.4	197.2	225.1
eL 9.1; B + 54.2	El:	21.3	25.7	27.5	27.8	28.0	28.1	28.1	27.5	26.8	18.8
Heidelberg	Az:	139.1	155.0	166.3	170.4	174.3	178.3	182.2	192.7	197.8	226.5
eL 8.7; B + 49.4	El:	25.1	30.3	32.5	32.9	33.2	33.3	33.3	32.6	31.9	22.5
Heilbronn	Az:	139.6	155.5	166.9	171.1	175.0	179.0	182.9	193.4	198.5	227.2
eL 9.2; B + 49.2	El:	25.5	30.8	32.8	33.2	33.5	33.6	33.6	32.8	32.0	22.4
Hildesheim	Az:	141.6	157.3	168.3	172.4	176.1	179.9	183.7	193.8	198.7	226.7
eL 10.0; B + 52.2	El:	23.4	28.0	29.7	30.1	30.3	30.4	30.3	29.5	28.8	19.9
Hof	Az:	143.0	159.2	170.6	174.7	178.6	182.5	186.4	196.6	201.6	229.4
eL 11.9; B + 50.3	El:	25.7	30.3	31.9	32.2	32.3	32.3	32.2	31.1	30.2	20.2
Ingolstadt	Az:	141.9	158.2	169.7	173.9	177.9	181.9	185.9	196.3	201.4	229.6
eL 11.4; B + 48.8	El:	26.8	31.8	33.5	33.9	34.0	34.0	33.9	32.8	31.8	21.5
Iserlohn	Az:	138.9	154.4	165.4	169.4	173.2	177.1	180.9	191.1	196.1	224.7
eL 7.7; B + 51.4	El:	23.0	28.1	30.2	30.7	31.0	31.2	31.2	30.6	30.0	21.5
Kaiserslautern	Az:	138.2	153.9	165.1	169.2	173.1	177.1	181.0	191.5	196.6	225.6
eL 7.8; B + 49.5	El:	24.6	30.0	32.2	32.8	33.1	33.3	33.3	32.7	32.0	22.9
Karlsruhe	Az:	138.6	154.5	165.8	170.0	173.9	177.9	181.9	192.4	197.5	226.4
eL 8.4; B + 49.0	El:	25.3	30.6	32.8	33.3	33.6	33.8	33.8	33.0	32.3	22.9
Kassel	Az:	140.8	156.6	167.6	171.7	175.5	179.4	183.2	193.4	198.3	226.6
eL 9.5; B + 51.3	El:	23.9	28.7	30.6	30.9	31.2	31.3	31.2	30.4	29.7	20.7
Kempten (Allgäu)	Az:	140.2	156.4	168.1	172.3	176.4	180.4	184.5	195.1	200.3	228.9
eL 10.3; B + 47.7	El:	27.2	32.5	34.5	34.9	35.1	35.2	35.1	34.1	33.2	22.9
Kiefersfelden	Az:	142.2	158.8	170.5	174.8	178.9	183.0	187.0	197.6	202.7	230.8
eL 12.2; B + 47.6	El:	28.1	33.1	34.9	35.2	35.3	35.3	35.1	33.8	32.8	21.9
Kiel	Az:	142.6	158.1	168.9	172.8	176.5	180.2	183.9	193.6	198.4	226.1
eL 10.1; B + 54.3	El:	21.6	25.9	27.5	27.8	28.0	28.0	27.9	27.2	26.5	18.2
Koblenz	Az:	138.4	154.0	165.1	169.1	173.0	176.9	180.8	191.1	196.2	225.0
eL 7.6; B + 50.4	El:	23.8	29.1	31.3	31.8	32.1	32.3	32.3	31.7	31.1	22.3
Konstanz	Az:	138.9	155.0	166.6	170.8	174.8	178.9	183.0	193.7	198.9	227.8

eL 9.2; B + 47.7	El:	26.7	32.2	34.4	34.8	35.1	35.2	35.2	34.4	33.5	23.5
Krefeld	Az:	137.7	153.1	164.0	168.0	171.8	175.6	179.4	189.7	194.7	223.5
eL 6.6; B + 51.3	El:	22.6	27.8	30.1	30.6	30.9	31.2	31.2	30.8	30.2	22.1
Kulmbach	Az:	142.4	158.6	169.9	174.1	178.0	181.9	185.8	196.1	201.0	229.0
eL 11.5; B + 50.1	El:	25.7	30.4	32.1	32.4	32.6	32.6	32.4	31.4	30.5	20.6
Köln	Az:	137.9	153.4	164.4	168.4	172.2	176.1	179.9	190.2	195.2	224.1
eL 7.0; B + 51.0	El:	23.1	28.3	30.5	31.0	31.4	31.6	31.7	31.2	30.6	22.2
Landau in der Pfalz	Az:	138.4	154.2	165.5	169.6	173.6	177.5	181.5	192.0	197.1	226.0
eL 8.1; B + 49.2	El:	25.0	30.4	32.6	33.1	33.4	33.5	33.6	32.9	32.2	22.9
Landsberg am Lech	Az:	140.9	157.3	168.9	173.1	177.2	181.2	185.2	195.8	200.9	229.3
eL 10.9; B + 48.1	El:	27.2	32.3	34.2	34.6	34.8	34.8	34.7	33.6	32.7	22.3
Landshut	Az:	142.6	159.0	170.6	174.9	178.9	182.9	186.9	197.3	202.4	230.4
eL 12.2; B + 48.5	El:	27.3	32.2	33.9	34.2	34.3	34.3	34.1	32.9	31.9	21.3
Leipzig	Az:	143.9	160.1	171.3	175.4	179.2	183.0	186.9	196.9	201.8	229.4
eL 12.4; B + 51.3	El:	25.0	29.4	30.9	31.1	31.2	31.2	31.0	29.9	29.0	19.3
Lindau	Az:	142.3	157.9	168.6	172.5	176.2	179.9	183.6	193.3	198.1	225.8
eL 9.9; B + 54.4	El:	21.5	25.8	27.4	27.7	27.9	28.0	27.9	27.2	26.5	18.3
Lingen (Ems)	Az:	138.9	154.3	165.1	169.1	172.9	176.6	180.4	190.4	195.4	223.8
eL 7.3; B + 52.5	El:	22.0	26.9	29.0	29.4	29.7	29.9	30.0	29.5	28.9	20.8
Lübeck	Az:	143.0	158.7	169.5	173.4	177.1	180.8	184.6	194.4	199.2	226.8
eL 10.7; B + 53.9	El:	22.2	26.4	28.0	28.3	28.5	28.5	28.4	27.6	26.8	18.3
Lüneburg	Az:	142.5	158.2	169.1	173.0	176.8	180.5	184.3	194.1	199.0	226.7
eL 10.4; B + 53.3	El:	22.6	27.0	28.6	29.0	29.1	29.2	29.1	28.3	27.5	18.9
Magdeburg	Az:	143.4	159.3	170.4	174.5	178.3	182.1	185.8	195.8	200.7	228.4
eL 11.6; B + 52.1	El:	24.1	28.4	30.0	30.3	30.4	30.4	30.2	29.2	28.4	19.1
Mainz	Az:	138.9	154.7	165.8	169.9	173.8	177.7	181.7	192.0	197.1	225.8
eL 8.3; B + 50.0	El:	24.4	29.6	31.8	32.2	32.5	32.7	32.7	32.0	31.3	22.3
Mannheim	Az:	138.9	154.7	166.0	170.1	174.0	178.0	181.9	192.4	197.5	226.3
eL 8.5; B + 49.5	El:	24.9	30.2	32.3	32.8	33.1	33.2	33.2	32.5	31.8	22.6
Marburg	Az:	139.8	155.5	166.6	170.7	174.5	178.4	182.3	192.5	197.5	226.0
eL 8.8; B + 50.8	El:	24.0	29.0	31.0	31.4	31.7	31.8	31.8	31.1	30.4	21.4
Memmingen	Az:	140.1	156.4	167.9	172.2	176.2	180.2	184.3	194.9	200.1	228.7
eL 10.2; B + 48.0	El:	26.9	32.2	34.2	34.6	34.8	34.9	34.8	33.8	33.0	22.8
Meschede	Az:	139.5	155.1	166.1	170.2	174.0	177.8	181.6	191.8	196.8	225.3
eL 8.3; B + 51.4	El:	23.3	28.3	30.3	30.8	31.1	31.2	31.2	30.6	29.9	21.3
Minden	Az:	140.5	156.1	167.1	171.1	174.8	178.6	182.4	192.5	197.4	225.6
eL 8.9; B + 52.3	El:	22.8	27.6	29.4	29.8	30.1	30.2	30.2	29.5	28.8	20.3
Mühdorf am Inn	Az:	142.9	159.4	171.1	175.4	179.4	183.4	187.4	197.9	203.0	230.9
eL 12.5; B + 48.2	El:	27.8	32.6	34.3	34.5	34.6	34.6	34.4	33.1	32.1	21.3
Mühlhausen	Az:	139.1	155.0	166.3	170.4	174.4	178.3	182.3	192.8	197.9	226.6
eL 8.7; B + 49.3	El:	25.2	30.5	32.6	33.1	33.4	33.5	33.5	32.7	32.0	22.6
München	Az:	141.7	158.1	169.8	174.1	178.1	182.1	186.1	196.7	201.8	230.0
eL 11.6; B + 48.1	El:	27.4	32.4	34.2	34.6	34.7	34.7	34.6	33.4	32.4	21.9
Münster	Az:	139.5	155.4	166.6	170.7	174.6	178.5	182.4	192.8	197.9	226.5
eL 8.9; B + 49.9	El:	24.7	29.9	31.9	32.4	32.6	32.8	32.7	32.0	31.3	22.0
Mönchengladbach	Az:	137.5	152.9	163.8	167.8	171.6	175.4	179.3	189.5	194.5	223.4
eL 6.4; B + 51.2	El:	22.6	27.9	30.2	30.7	31.1	31.3	31.4	31.0	30.4	22.2
Neubrandenburg	Az:	145.7	161.7	172.6	176.6	180.3	184.1	187.8	197.5	202.3	229.5
eL 13.3; B + 53.6	El:	23.4	27.3	28.6	28.8	28.8	28.8	28.6	27.5	26.6	17.3
Nienburg	Az:	143.5	159.4	170.6	174.6	178.4	182.2	186.1	196.1	201.0	228.6
eL 11.8; B + 51.8	El:	24.4	28.7	30.3	30.6	30.7	30.7	30.5	29.5	28.7	19.2
Nordhausen	Az:	142.2	158.2	169.3	173.3	177.2	181.0	184.8	194.9	199.9	227.8
eL 10.8; B + 51.5	El:	24.3	28.8	30.5	30.9	31.0	31.1	31.0	30.0	29.2	20.0
Nürnberg	Az:	141.8	157.9	169.4	173.5	177.5	181.4	185.4	195.7	200.8	228.9
eL 11.1; B + 49.5	El:	26.1	31.0	32.8	33.1	33.3	33.3	33.2	32.1	31.2	21.3
Offenburg	Az:	137.9	153.8	165.1	169.3	173.3	177.3	181.3	191.9	197.1	226.2
eL 8.0; B + 48.5	El:	25.5	31.0	33.3	33.8	34.2	34.3	34.4	33.7	33.0	23.6
Oldenburg	Az:	140.1	155.6	166.4	170.3	174.0	177.8	181.5	191.5	196.4	224.5
eL 8.2; B + 53.2	El:	21.8	26.5	28.4	28.9	29.1	29.3	29.3	28.7	28.1	20.0
Osnabrück	Az:	139.6	155.1	166.0	170.0	173.8	177.5	181.3	191.4	196.3	224.7
eL 8.1; B + 52.3	El:	22.5	27.3	29.3	29.8	30.0	30.2	30.2	29.6	29.0	20.7
Paderborn	Az:	140.1	155.8	166.8	170.8	174.6	178.4	182.2	192.3	197.3	225.6
eL 8.8; B + 51.7	El:	23.2	28.1	30.0	30.4	30.7	30.8	30.8	30.1	29.4	20.8
Passau	Az:	144.1	160.7	172.4	176.6	180.6	184.6	188.6	199.0	204.0	231.7
eL 13.5; B + 48.6	El:	27.9	32.5	34.0	34.2	34.3	34.2	33.9	32.5	31.5	20.6
Pforzheim	Az:	138.9	154.8	166.2	170.3	174.3	178.3	182.3	192.8	197.9	226.8
eL 8.7; B + 48.9	El:	25.5	30.9	33.0	33.5	33.8	33.9	33.9	33.1	32.4	22.9
Plauen	Az:	143.3	159.5	170.9	175.0	178.9	182.8	186.6	196.8	201.8	229.5
eL 12.1; B + 50.5	El:	25.7	30.2	31.8	32.1	32.2	32.1	32.0	30.8	29.9	20.0
Ravensburg	Az:	139.4	155.6	167.2	171.4	175.4	179.5	183.5	194.2	199.4	228.2
eL 9.6; B + 47.8	El:	26.8	32.2	34.3	34.8	35.0	35.1	35.1	34.2	33.3	23.2
Recklinghausen	Az:	138.4	153.9	164.8	168.8	172.6	176.4	180.3	190.4	195.4	224.1
eL 7.2; B + 51.6	El:	22.6	27.7	29.9	30.4	30.7	30.9	30.9	30.4	29.8	21.6
Regensburg	Az:	142.7	159.1	170.6	174.8	178.8	182.8	186.7	197.1	202.2	230.1
eL 12.1; B + 49.0	El:	26.9	31.7	33.4	33.6	33.8	33.7	33.6	32.4	31.4	21.0
Reutlingen	Az:	139.3	155.3	166.8	171.0	175.0	179.0	183.0	193.5	198.7	227.5
eL 9.2; B + 48.5	El:	26.1	31.4	33.5	34.0	34.2	34.3	34.3	33.5	32.7	22.9

Rosenheim	Az:	142.2	158.8	170.5	174.8	178.8	182.9	186.9	197.5	202.6	230.7
eL 12.1; B + 47.9	El:	27.9	32.9	34.6	34.9	35.0	35.0	34.8	33.6	32.6	21.8
Rostock	Az:	144.7	160.4	171.3	175.2	178.9	182.6	186.3	196.1	200.8	228.2
eL 12.1; B + 54.1	El:	22.6	26.5	27.9	28.2	28.3	28.2	28.1	27.1	26.3	17.5
Saarbrücken	Az:	137.2	152.9	164.1	168.2	172.1	176.0	180.0	190.5	195.7	224.9
eL 7.0; B + 49.2	El:	24.4	30.0	32.3	32.9	33.2	33.5	33.5	33.0	32.4	23.5
Salzgitter	Az:	142.1	157.9	168.9	172.9	176.7	180.5	184.3	194.4	199.3	227.2
eL 10.4; B + 52.1	El:	23.6	28.1	29.8	30.2	30.4	30.4	30.3	29.5	28.7	19.7
Schweinfurt	Az:	141.1	157.1	168.4	172.5	176.4	180.3	184.2	194.5	199.6	227.8
eL 10.2; B + 50.1	El:	25.2	30.1	32.0	32.4	32.6	32.6	32.6	31.7	30.8	21.3
Schwerin	Az:	143.7	159.5	170.4	174.3	178.0	181.8	185.5	195.3	200.1	227.6
eL 11.4; B + 53.6	El:	22.7	26.9	28.3	28.6	28.7	28.8	28.6	27.7	26.9	18.2
Siegen	Az:	139.0	154.7	165.7	169.8	173.6	177.5	181.3	191.6	196.6	225.2
eL 8.0; B + 50.9	El:	23.6	28.7	30.8	31.3	31.5	31.7	31.7	31.1	30.4	21.7
Singen (Hohentwiel)	Az:	138.6	154.6	166.1	170.4	174.4	178.4	182.5	193.2	198.4	227.4
eL 8.8; B + 47.8	El:	26.5	32.0	34.2	34.7	35.0	35.1	35.1	34.3	33.5	23.6
Speyer	Az:	138.8	154.6	165.9	170.1	174.0	177.9	181.9	192.4	197.5	226.3
eL 8.4; B + 49.3	El:	25.0	30.4	32.5	33.0	33.3	33.4	33.4	32.7	32.0	22.7
Starnberg	Az:	141.4	157.8	169.5	173.7	177.8	181.8	185.8	196.4	201.5	229.8
eL 11.3; B + 48.0	El:	27.4	32.5	34.4	34.7	34.9	34.9	34.7	33.6	32.6	22.1
Stuttgart	Az:	139.4	155.4	166.8	171.0	174.9	178.9	182.9	193.4	198.6	227.3
eL 9.2; B + 48.8	El:	25.8	31.1	33.2	33.6	33.9	34.0	34.0	33.2	32.4	22.7
Traunstein	Az:	142.8	159.4	171.2	175.5	179.5	183.6	187.6	198.1	203.2	231.2
eL 12.7; B + 47.9	El:	28.1	33.0	34.7	34.9	35.0	35.0	34.8	33.4	32.4	21.5
Trier	Az:	137.1	152.6	163.7	167.8	171.7	175.6	179.5	190.0	195.1	224.3
eL 6.7; B + 49.8	El:	23.9	29.4	31.7	32.3	32.6	32.9	33.0	32.5	31.9	23.2
Tübingen	Az:	139.2	155.2	166.6	170.8	174.8	178.8	182.8	193.3	198.5	227.3
eL 9.1; B + 48.5	El:	26.0	31.3	33.5	33.9	34.2	34.3	34.3	33.5	32.7	23.0
Ulm	Az:	140.1	156.2	167.8	172.0	176.0	180.0	184.0	194.5	199.7	228.3
eL 10.0; B + 48.4	El:	26.5	31.7	33.7	34.1	34.4	34.4	34.4	33.4	32.6	22.6
Walsrode	Az:	141.5	157.1	168.0	172.0	175.7	179.5	183.3	193.2	198.1	226.1
eL 9.6; B + 52.9	El:	22.6	27.2	28.9	29.3	29.5	29.6	29.5	28.8	28.1	19.5
Wesel	Az:	137.8	153.2	164.1	168.1	171.9	175.7	179.5	189.7	194.7	223.5
eL 6.6; B + 51.7	El:	22.3	27.5	29.7	30.2	30.6	30.8	30.9	30.5	29.9	21.8
Wetzlar	Az:	139.4	155.1	166.2	170.3	174.2	178.1	181.9	192.2	197.3	225.8
eL 8.5; B + 50.6	El:	24.1	29.2	31.2	31.7	31.9	32.1	32.1	31.4	30.7	21.8
Wiesbaden	Az:	138.9	154.7	165.8	169.9	173.8	177.7	181.6	192.0	197.0	225.8
eL 8.2; B + 50.1	El:	24.3	29.5	31.6	32.1	32.4	32.6	32.6	31.9	31.2	22.2
Wilhelmshaven	Az:	140.1	155.5	166.3	170.2	173.9	177.7	181.4	191.3	196.2	224.3
eL 8.1; B + 53.5	El:	21.5	26.2	28.0	28.5	28.7	28.9	28.9	28.3	27.7	19.7
Wismar	Az:	143.9	159.6	170.5	174.4	178.1	181.8	185.5	195.3	200.1	227.6
eL 11.5; B + 53.9	El:	22.5	26.6	28.1	28.3	28.5	28.5	28.3	27.4	26.7	17.9
Wolfsburg	Az:	142.6	158.4	169.4	173.4	177.2	181.0	184.8	194.7	199.6	227.4
eL 10.8; B + 52.4	El:	23.5	27.9	29.6	29.9	30.0	30.1	30.0	29.1	28.3	19.3
Worms	Az:	138.9	154.7	165.9	170.0	173.9	177.9	181.8	192.2	197.3	226.1
eL 8.4; B + 49.6	El:	24.8	30.0	32.2	32.6	32.9	33.1	33.1	32.4	31.7	22.5
Wuppertal	Az:	138.3	153.8	164.8	168.8	172.6	176.4	180.3	190.5	195.5	224.2
eL 7.2; B + 51.3	El:	22.9	28.1	30.2	30.7	31.1	31.3	31.3	30.8	30.2	21.8
Würzburg	Az:	140.6	156.6	167.9	172.1	176.0	179.9	183.8	194.2	199.2	227.6
eL 9.9; B + 49.8	El:	25.3	30.3	32.2	32.6	32.8	32.9	32.8	32.0	31.2	21.6
Zweibrücken	Az:	137.6	153.3	164.5	168.7	172.6	176.5	180.5	191.0	196.1	225.2
eL 7.4; B + 49.3	El:	24.6	30.1	32.4	32.9	33.3	33.5	33.5	32.9	32.3	23.3
Zwickau	Az:	143.8	160.0	171.4	175.5	179.4	183.2	187.1	197.2	202.2	229.8
eL 12.5; B + 50.7	El:	25.6	30.0	31.6	31.8	31.9	31.9	31.7	30.5	29.6	19.6