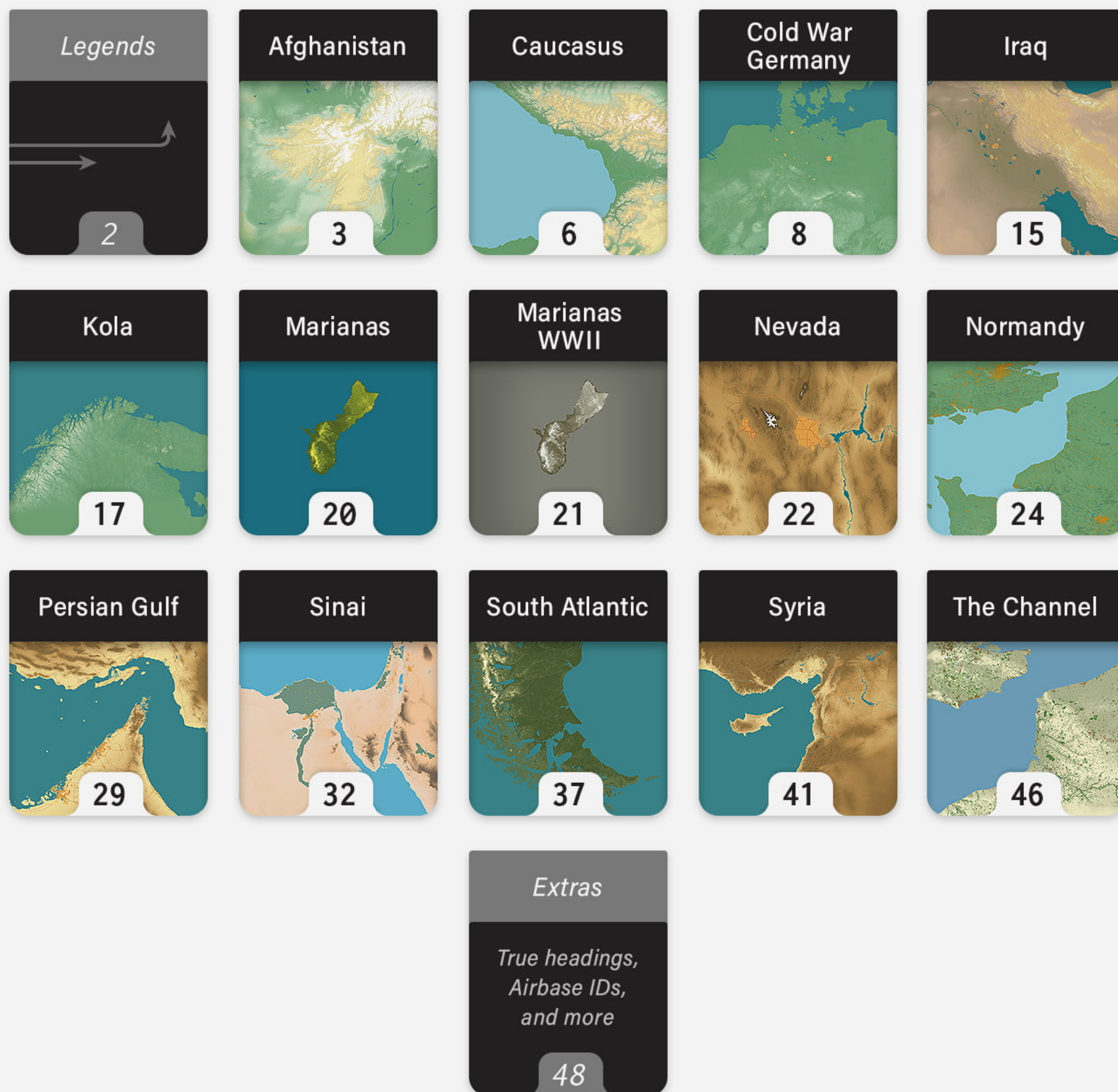


AERODROME DATA AND FREQUENCIES

ADF



02 JULY 2025

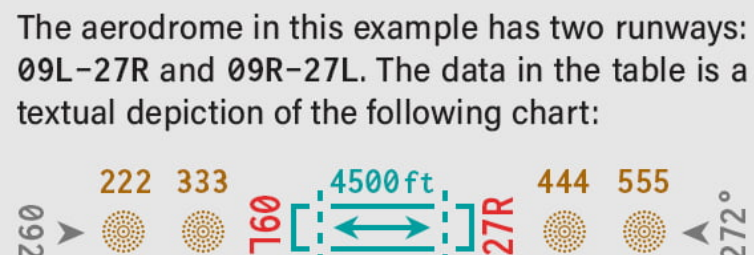
Tables

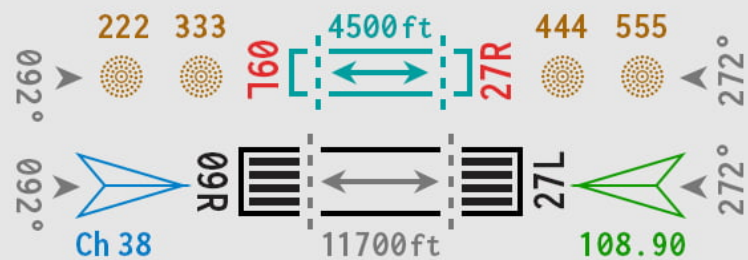
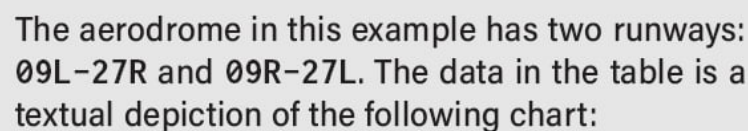
1		2	3	4	5	6	7	8	9
▼		▼	▼	▼	┌	▼	▼	▼	▼
8	Aerodrome ICAO	180	54X	122.60 4.525		092° · 09L		4500	27R · 272°
IR	N12°34'56/.789 E12°34'56/.789	55	116.40	251.30 40.90		222>333			444<555
			352			092° 09R		11700	27L 272°
	▲ 12		26						
				10 →		38^			^108.90
				11 →		• RWY27L : 900ft TOWER			

- 1 **8 - Aerodrome ID for the 'LNDG' mode** of the Su-25T and certain Flaming Cliffs aircraft. In strike-through when outside of the usable range (1-211). Not to be confused with *getAirbases ID*.
IR - Country code. Usually corresponds to the country's top-level internet domain (here: Iran).
 - 2 **Aerodrome elevation** in FEET (top value) and METERS (bottom value) at runway's highest point.
 - 3 **Local nav aids.** In strike-through if inoperative.
54X in black italic TACAN
116.40 in magenta VOR
352 in brown NDB
26 in blue italic RSBN
 - 4 **AI ATC frequencies:** VHF (122.60) HF (4.525)
UHF (251.30) FM (40.90)
 - 5 Outer (222, 555) and inner (333, 444) NDBs.
 - 6 **Runway's MAGNETIC heading.**
Valid in the years specified above the table.

MAG HDGS VALID
2018-2028
 - 7 If an aerodrome has several runways, the dot • indicates the one that is more likely to be active.
 - 8 **Runway length in feet** minus safety margins.
Color indicates surface type:
11700 in gray paved —
7800 in brown dirt —
4500 in teal grass —
 - 9 **Runway name.** Taken from the in-game info panel or given based on heading, then normalized with leading zero and designator when necessary.
In strike-through when the in-game name is incorrect: not reciprocal, doesn't match heading, etc.
In red when the runway is shorter than 6000 feet (1800 meters) for modern maps or 3500 feet (1000 meters) for World War II maps. 
Not to be confused with *getRunways Name*.
 - 10 38 in blue PRMG channel
108.90 in green ILS frequency
38, 108.90 faded unreliable
PRMG, ILS in strike-through ... inoperative
In this example PRMG is assigned to runway 09R and ILS is servicing runway 27L.
 - 11 **Remarks.** • - Obstacle with height above ground.
 - 12 **Aerodrome coordinates** in a format that combines Degrees Minutes Seconds (12°34'56") and Degrees Decimal Minutes (12°34.789').
Usually point at the center of the primary runway.

The aerodrome in this example has two runways: 09L-27R and 09R-27L. The data in the table is a textual depiction of the following chart:





Maps

- 1 25 - Aerodrome ID.** See #1 in the above section. ID's color indicates the best available surface:
25 in gray paved
25 in brown dirt
25 in teal grass
[25] - The red brackets around ID indicate that this aerodrome's longest runway is shorter than 6000 feet (1800 meters) for modern maps or 3500 feet (1000 meters) for World War II maps.

B–Q

16	Bagram OAIX	N	4895	74X	120.10	4.125	023°•03L 9500 21R•203°	
	N34°56'46/.768 E69°15'53/.897	E	1492	112.70	325.75	39.15	023° 03R 11600 21L 203°	
							MOUNTAINS (EXCEPT SOUTH-WEST)	
18	Bamyan OABN	E	8468		118.55	4.325	064° 07 5600 25 244°	
	N34°48'32/.536 E67°49'00/.005		2581		250.65	39.55	UNEVEN, CROOKED & UNLIT RWY; SURROUNDED BY MOUNTAINS	
8	Bost OABT	S	2556		131.25	4.050	005° 01 6300 19 185°	
	N31°33'35/.586 E64°21'53/.887		779		243.00	39.00		
10	Camp Bastion OAZI	S	2908	98X	123.30	3.900	008° 01 10700 19 188°	
	N31°51'00/.000 E64°13'25/.417		886	423	250.10	38.70		
13	Camp Bastion HELIPORT	S	2907	CO-LOCATED	118.20	4.100	008° 01 1300 19 188°	
	N31°51'19/.325 E64°12'47/.791		886		250.20	39.10		
5	Chaghcharan OACC	S	7454		118.00	3.825	062° 07 6200 25 242°	
	N34°31'35/.590 E65°16'16/.279		2272		250.05	38.55	UNLIT RWY; HILLS: NORTH, EAST, SOUTH	
11	Dwyer OADY	S	2414	46X	121.75	3.775	048° 05 7700 23 228°	
	N31°05'30/.516 E64°04'00/.016		736		343.00	38.45		
2	Farah OAFR	S	2241		118.10	3.975	148° 15 7100 33 328°	
	N32°21'47/.797 E62°10'03/.063		683		250.30	38.85	MOUNTAINS: EAST & WEST	
20	Gardez OAGZ	E	7831		118.60	4.350	022° 03 6000 21 202°	
	N33°37'41/.685 E69°14'14/.249		2387		250.70	39.60	UNEVEN, SLOPED & UNLIT RWY; MOUNTAINS (EXCEPT SOUTH-WEST)	
21	Ghazni OAGN	E	7136		118.45	4.300	171° 17 2800 35 351°	
	N33°30'20/.338 E68°24'50/.849		2175		250.55	39.50	UNLIT RWY	
1	Herat OAHR	S	3297	54X 412	123.35	3.750	185° 18 9600 36 005°	
	N34°12'28/.468 E62°13'40/.675		1005	116.20	240.30	38.40	HILLS: SOUTH-WEST	
19	Jalalabad OAJL	E	1841		129.70	4.250	125° 13 6200 31 305°	
	N34°24'01/.023 E70°29'52/.879		561		231.00	39.40	SURROUNDED BY MOUNTAINS	
17	Kabul OAKB	E	5869	65X	120.60	4.200	101° 11 11200 29 281°	
	N34°33'56/.944 E69°12'45/.758		1789	112.00	284.25	39.30	SURROUNDED BY MOUNTAINS	
7	Kandahar OAKN	E	3338	75X	125.50	4.025	052° 05 10200 23 232°	
	N31°30'20/.343 E65°50'51/.858	S	1017	116.00	360.20	38.95		
15	Kandahar HELIPORT	E	3337	CO-LOCATED	119.50	3.950	052° 05 1400 23 232°	
	N31°31'14/.243 E65°50'44/.749	S	1017		300.20	38.80		
25	Khost OAKS	E	3785		118.40	4.225	055° 05 6800 23 235°	
	N33°19'58/.983 E69°57'03/.059		1154		250.50	39.35	UNLIT RWY; SURROUNDED BY HILLS	
23	Khost HELIPORT	E	3830		118.50	4.275	082° 08 3800 26 262°	
	N33°21'48/.804 E69°57'18/.313		1167		250.60	39.45	UNLIT RWY; SURROUNDED BY HILLS	
4	Maymana Zahiraddin OAMN	N	2766		118.15	3.875	139° 14 6100 32 319°	
	N35°55'50/.839 E64°45'39/.652	S	843		250.15	38.65	UNEVEN & UNLIT RWY; HILLS: EAST, SOUTH, WEST	
12	Nimroz OANZ	S	1585		118.05	3.850	138° 14 7800 32 318°	
	N30°57'48/.808 E62°03'38/.642		483		250.00	38.60	UNLIT RWY	
6	Qala i Naw OAQN	S	2976		118.35	4.000	036° 04 6100 22 216°	
	N34°59'08/.147 E63°07'03/.065		907		250.35	38.90	UNLIT RWY; SURROUNDED BY HILLS	

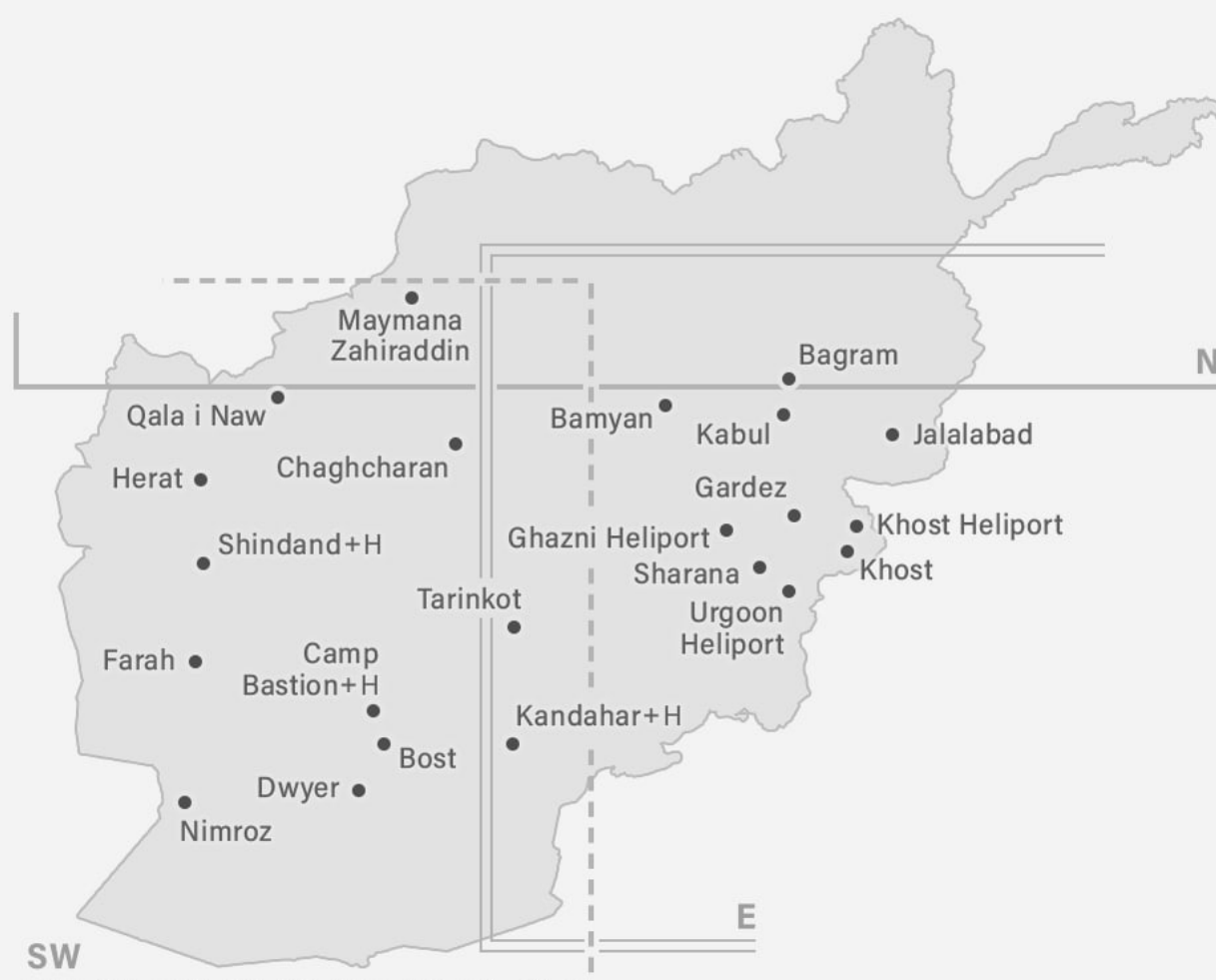
MAP REGIONS: (N)ORTH, (E)AST, (S)OUTHWEST

Adjust the above magnetic headings when operating in the following years (expect up to 1 degree of error):

1930–1947 0° 1948–2005 +1° 2006–2023 0° 2024–2030 -1°

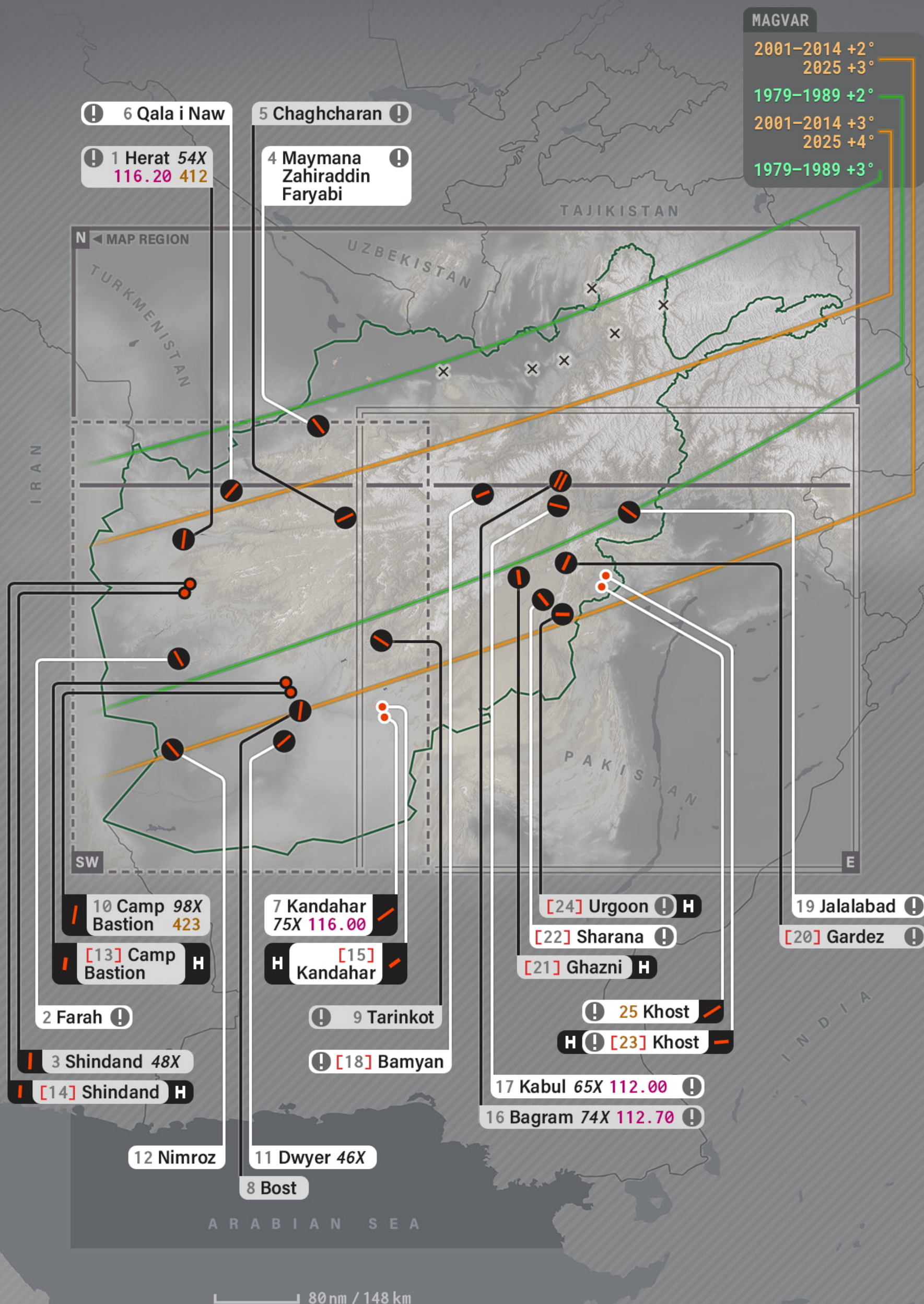
S–U

22	Sharana	OASA	E	7406		118.30	4.175	139°	14	4000	32	319°	
	N33°07'32"/.547	E68°50'18"/.310		2257		250.45	39.25	• AEROSTATE AT 1200 ft; UNLIT RWY					
3	Shindand	OASD	S	3783	48X	134.75	3.800	179°	18	7500	36	359°	
	N33°23'33"/.556	E62°15'39"/.662		1153		265.65	38.50						
14	Shindand	HELIPORT	S	3812	CO-LOCATED	121.50	3.925	179°	18	1200	36	359°	
	N33°24'28"/.469	E62°16'05"/.099		1162		344.00	38.75	UNLIT RWY					
9	Tarinkot	OATN	E	4472		128.00	4.075	120°	12	6200	30	300°	
	N32°36'18"/.305	E65°51'51"/.853	S	1363		250.40	39.05	UNEVEN & UNLIT RWY; MOUNTAINS (NORTH-WEST)					
24	Urgoon	HELIPORT	E	7497		118.25	4.150	089°	09	1500	27	269°	
	N32°56'14"/.248	E69°09'06"/.104		2285		250.25	39.20	UNLIT RWY; SURROUNDED BY MOUNTAINS					



Adjust the above magnetic headings when operating in the following years (expect up to 1 degree of error):

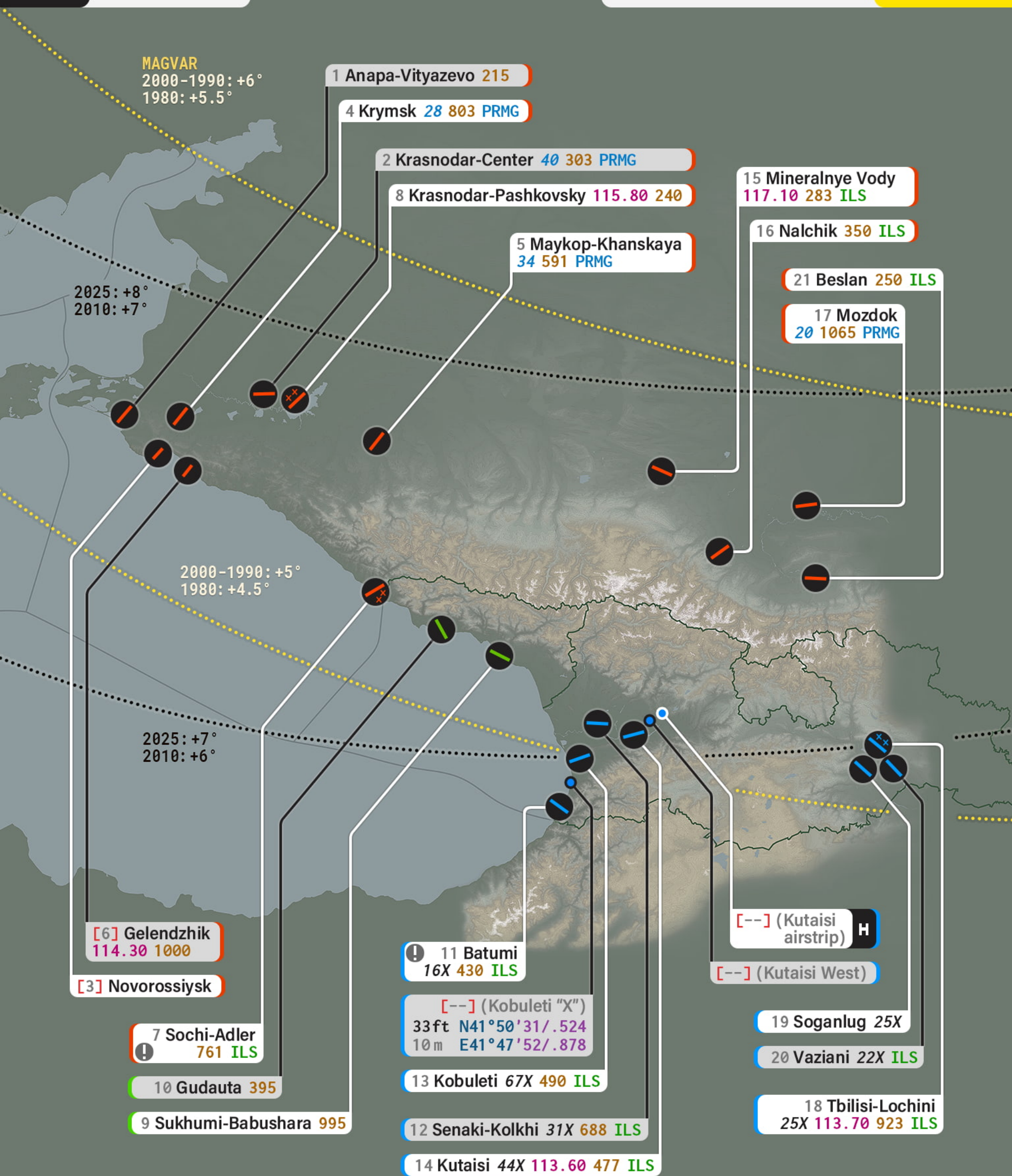
1930–1947 0° 1948–2005 +1° 2006–2023 0° 2024–2030 -1°



AB - ABKHAZIA		VOR BEACONS ON CAUCASUS DON'T HAVE DME		LENGTH: FEET METERS		ILS or PRMG	OUTER NDB	INNER NDB	MAG HDG	RWY	
1	Anapa-Vityazevo	URKA	141		121.00	3.750	9000	443 > 215 > 034°	04		✂
RU	N45°00'17/.296	E37°20'52/.869	43		250.00	38.40	2700	443 > 215 > 214°	22		
11	Batumi	UGSB	33	16X	131.00	4.250	7500	110.30 > 119°	13		✂
GE	N41°36'34/.575	E41°36'00/.014	10	430	260.00	40.40	2250	DANGEROUS APPROACH > 299°	31		⚠
21	Beslan	URMO	1722		141.00	4.750	9600	110.50 > 1050 > 250 > 086°	10		—
RU	N43°12'20/.342	E44°36'20/.348	525		270.00	42.40	2900		266°	28	—
6	Gelendzhik	URKG	72	114.30	126.00	4.000	5400		032°	01	✂
RU	N44°34'22/.374	E38°00'41/.696	22	1000	255.00	39.40	1600	HILLS: NORTH-EAST > 212°	19		✂
10	Gudauta	UG23	69		130.00	4.200	7700		144°	15	✂
AB	N43°06'51/.859	E40°34'11/.184	21		259.00	40.20	2300	--- > 395 > 324°	33		✂
13	Kobuleti	UG5X Ozurgeti	59	67X	133.00	4.350	7400	111.50 > 870 > 490 > 063°	07		✂
GE	N41°55'47/.795	E41°51'47/.796	18		262.00	40.80	2250		243°	25	✂
--	Kobuleti "X" Parachute school		33		CLOSED, NO ATC, UNMARKED		2800	025° 03	2800	156° 16	✂
GE	N41°50'31/.524	E41°47'52/.878	10				850	205° 21	850	336° 34	✂
2	Krasnodar-Center	URKL	98	40	122.00	3.800	7700	38 > 625 > 303 > 079°	09		—
RU	N45°05'13/.216	E38°56'23/.399	30		251.00	38.60	2300	625 > 303 > 259°	27		—
8	Krasnodar-Pashkovsky	URKK	112	115.80	128.00	4.100	9600	493 > 240 > 039°	05		✂
RU	N45°02'16/.280	E39°11'17/.288	34		257.00	39.80	2900	493 > 240 > 219°	23		✂
4	Krymsk	URKW	66	28	124.00	3.900	8000	26 > 408 > 803 > 032°	04		✂
RU	N44°58'04/.076	E37°59'42/.701	20		253.00	39.00	2400	26 > 408 > 803 > 212°	22		✂
14	Kutaisi	UGKO Kopitnari	148	44X	134.00	4.400	7700	109.75 > --- > 477 > 067°	07		✂
GE	N42°10'39/.656	E42°28'52/.877	45	113.60	263.00	41.00	2300		247°	25	✂
--	Kutaisi airstrip	HELIPORT	459		CLOSED, NO ATC, UNMARKED		2800		081°	09	✂
GE	N42°15'58/.972	E42°39'31/.526	140				850		261°	27	✂
--	Kutaisi West		361		CLOSED, NO ATC, UNMARKED		4100		081°	09	✂
GE	N42°14'58/.978	E42°37'22/.373	110				1250		261°	27	✂
5	Maykop-Khanskaya	URKH	591	34	125.00	3.950	10100	36 > 289 > 591 > 031°	04		✂
RU	N44°40'52/.877	E40°02'06/.115	180		254.00	39.20	3050	289 > 591 > 211°	22		✂
15	Mineralnye Vody	URMM	1050	117.10	135.00	4.450	12700	111.70 > 583 > 283 > 108°	12		✂
RU	N44°13'40/.671	E43°04'52/.871	320		264.00	41.20	3850	109.30 > 583 > 283 > 288°	30		✂
17	Mozdok	XRMF	507	20	137.00	4.550	9400	22 > 525 > 1065 > 075°	08		✂
RU	N43°47'30/.502	E44°36'21/.350	155		266.00	41.60	2850	22 > 525 > 1065 > 255°	26		✂
16	Nalchik	URMN	1411		136.00	4.500	7000		048°	06	✂
RU	N43°30'50/.840	E43°38'11/.187	430		265.00	41.40	2100	110.50 > 718 > 350 > 228°	24		✂
3	Novorossiysk	URKN	131		123.00	3.850	5400		034°	04	✂
RU	N44°40'05/.085	E37°46'41/.695	40		252.00	38.80	1600		214°	22	✂
12	Senaki-Kolkhi	UGKS	43	31X	132.00	4.300	7400	108.90 > 335 > 688 > 088°	09		✂
GE	N42°14'27/.450	E42°02'52/.880	13		261.00	40.60	2250		268°	27	✂
7	Sochi-Adler	URSS	98		127.00	4.050	9700	111.10 > --- > 761 > 055°	06		✂
RU	N43°26'39/.661	E39°56'27/.464	30		256.00	39.60	2950	DANGEROUS APPROACH > 235°	24		✂
19	Soganlug	UG24	1500	25X	139.00	4.650	6500		125°	14	✂
GE	N41°38'58/.972	E44°56'18/.301	458		268.00	42.00	1950		305°	32	✂
9	Sukhumi-Babushara	UGSS	43		129.00	4.150	11400		109°	12	✂
AB	N42°51'39/.665	E41°07'29/.499	13		258.00	40.00	3450	489 > 995 > 289°	30		✂
18	Tbilisi-Lochini	UGTB	1574	25X	138.00	4.600	9300	110.30 > 342 > 923 > 121°	13		✂
GE	N41°40'01/.021	E44°57'22/.377	480	113.70	267.00	41.80	2800	108.90 > 211 > 435 > 301°	31		✂
20	Vaziani	UG27	1524	22X	140.00	4.700	7700	108.75 > 129°	13		✂
GE	N41°37'44/.741	E45°01'38/.633	465		269.00	42.20	2300	108.75 > 309°	31		✂

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1930-1945 +4° 1946-1972 +3° 1973-2002 +2° 2003-2014 +1° 2015-2026 0°



A—Ded

---	Adelsheim	HIGHWAY STRIP	1023			UNFINISHED; NO ATC	063° 06	5400	24	243°	
FRG	N49°22'09/.159	E09°26'25/.423	312				NO SPAWNS; LANDABLE; • TREES				
161	Airracine Frankfurt		279			118.40 4.000	075° 07	2700	25	255°	
FRG	N50°00'29/.492	E08°05'55/.921	85			252.65 41.05					
98	Airracine Koblenz		1056			118.25 4.275	154° 15	2700	33	334°	
FRG	N50°17'31/.521	E07°49'49/.823	322			251.05 39.45					
159	Airracine Lubeck		28			118.35 4.475	165° 17	2700	35	345°	
FRG	N53°42'41/.698	E10°45'59/.994	9			252.60 41.00	• RWY35: 300ft SPIRE				
125	Allstedt		937	38		132.50 4.500	078° 07	7700	25	258°	
GDR	N51°22'50/.834	E11°26'47/.788	286	419		251.50 39.90	365>740 740<365				
2	Altes Lager	DAMN Jüterbog	312	24		122.50 4.750	101° 10	8100	28	281°	
GDR	N51°59'43/.729	E12°59'01/.025	95			253.80 42.20	313>645 645<313				
189	Bad Dürkheim		348			134.50 3.975	086° 08	2100	26	266°	
FRG	N49°28'21/.360	E08°11'41/.695	106			253.05 41.45	RWY08-26 PAINTED AS 06-24; • RWY26: 500ft CHIMNEY; HILLS: WEST				
3	Barth	EDBH	21			124.10 4.625	096° 09	3400	27	276°	
GDR	N54°20'17/.291	E12°42'34/.581	6			254.00 41.80					
85	Bienenfarm		98			134.70 4.025	126° 09	2700	27	306°	
GDR	N52°39'31/.517	E12°44'49/.826	30			250.55 38.95					
132	Bindersleben	EDDE	1014			122.10 4.700	104° 10	6200	28	284°	
GDR	N50°58'46/.768	E10°57'44/.738	309			251.90 40.30	306>330 330<410 ^109.90				
158	Bitburg	EDRB	1211	56X		118.70 4.325	067° 06	8000	24	247°	
FRG	N49°56'40/.679	E06°33'51/.850	369			252.55 40.95	^111.90				
82	Braunschweig	EDVE	273	26: 427		120.05 3.925	093° --	2600	--	273°	
FRG	N52°19'08/.145	E10°33'14/.235	83			250.35 38.75	093° • 08 3600 26 • 273° ^111.10				
							093° -- 2800 -- 273°				
5	Bremen	EDDW	41	117.45		118.45 4.225	062° 05	2200	23	242°	
FRG	N53°02'48/.816	E08°47'17/.295	12	09: 276.5 27: 346.5		254.10 41.70	• RWY23: 400ft CHIMNEY				
							098° • 09 6500 27 • 278° 110.30^ ^110.90				
6	Briest	ETBB	115	36		135.55 4.175	079° 07	7400	25	259°	
GDR	N52°26'15/.258	E12°27'14/.236	35			254.15 40.20					
182	Buchel	ETSB	1509	118X		122.10 4.575	041° 03	7700	21	221°	
FRG	N50°10'26/.443	E07°03'49/.829	460			252.90 41.30					
7	Buckeburg	ETHB	193			118.05 4.900	087° --	3500	--	267°	
FRG	N52°16'42/.714	E09°04'59/.995	59			254.20 39.55	087° • 08 5100 26 • 267° 087° -- 2500 -- 267°				
8	Celle	EDCL	126	26: 311		122.10 4.075	089° 08	5600	26	269°	
FRG	N52°35'29/.485	E10°01'27/.458	38			254.60 41.90					
9	Cochstedt	EDBC	569			126.00 4.125	084° 08	7900	26	264°	
GDR	N51°51'21/.354	E11°25'04/.074	173			254.70 38.45	470<950				
10	Damgarten		26	20		127.10 4.000	078° 07	7800	25	258°	
GDR	N54°15'50/.841	E12°26'39/.652	8			250.50 38.90	668>325 325<668 20^ ^20				
79	Dedelow	EDBD	176			119.00 3.850	100° • 10L	3100	28R • 280°		
GDR	N53°21'19/.331	E13°47'06/.103	54			250.20 38.60	100° 10R 3100 28L 280°				

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1945 +6° 1946-1952 +5° 1953-1965 +4° 1966-1978 +3° 1979-1986 +2° 1987-1998 +1°

1999-2005 0° 2006-2013 -2° 2014-2019 -2° 2020-2024 -3° 2025-2031 -4°

Des—Ham

61	Dessau EDAD	195	27: 765	127.50	3.825	097° 09	6800	27	277°	—
GDR	N51°49'54/.903 E12°11'35/.583	60		254.40	41.30					
EDAD code is also used by Spangdahlem										
11	Fassberg ETHS	254	95X 284	122.10	4.250	097° --	2500	--	277°	—
FRG	N52°55'09/.166 E10°11'05/.089	77	110.00	251.00	39.40	096° 09	7700	27	276°	—
12	Finow EDAK	111		125.80	4.300	105° 10	7800	28	285°	—
GDR	N52°49'37/.628 E13°41'38/.642	34		251.10	39.50	442>895		895<442		—
131	Frankfurt EDDF	328	89X	127.30	4.675	079° 07L	13200	25R	259°	—
FRG	N50°02'25/.425 E08°34'02/.039	100	07L: 382 25L: 320	251.85	40.25	110.10^		^110.70		—
For any ILS approach at Frankfurt, set the course to the reciprocal of the runway heading as shown						LOC CRS: 259°		LOC CRS: 079°		—
						079° 07R	12400	25L	259°	—
						111.10^	NO G/S>	^109.50		—
						LOC CRS: 259°		LOC CRS: 079°		—
122	Fritzlar ETHF	552	468	126.50	4.425	128° --	1600	--	308°	—
FRG	N51°06'52/.876 E09°17'09/.150	168		251.35	39.75	128° 12	3000	30	308°	—
134	Fulda EDEX	937	441	126.00	4.750	092° 09	2000	27	272°	—
FRG	N50°32'23/.394 E09°38'34/.580	286		252.00	40.40	• RWY27: 1200 ft BALLOONS				
87	Gardelegen EDOC	183	36	119.00	4.075	116° 11L	3100	29R	296°	—
GDR	N52°31'46/.771 E11°21'00/.007	56		250.65	39.05	116° 11R	3100	29L	296°	—
13	Garz EDAH	66	38	132.80	4.325	110° 10	7300	28	290°	—
GDR	N53°52'42/.710 E14°09'12/.212	20		251.15	39.55	679.5>330		330<679.5		—
EDAH code is also used by Hahn										
14	Gatow West Berlin / UK	136	113.30	122.10	4.400	084° 08L	5700	26R	264°	—
FRG	N52°28'31/.520 E13°08'17/.285	42	370.5	251.30	39.70			^108.90		—
						083° 08R	5700	26L	263°	xxx
						^^^	CLOSED	^^^		—
190	Gelnhausen EDFG	417		119.00	3.950	090° 09	3200	27	270°	—
FRG	N50°11'46/.779 E09°10'01/.018	127		253.10	41.50	HILLS: NORTH, NORTH-EAST				
127	Giebelstadt EDQG	953	47X	135.90	4.550	086° 08	5800	26	266°	—
FRG	N49°38'52/.872 E09°57'52/.882	290	507	251.60	40.00					—
88	Glindbruchkippe EDVP	159		119.00	4.100	104° 10	3200	28	284°	—
FRG	N52°19'25/.429 E10°10'49/.826	48		250.70	39.10					—
58	Gross Mohrdorf 01/914	10		127.00	4.700	131° 13	7300	31	311°	—
GDR	N54°22'59/.992 E12°54'44/.735	3		254.25	40.35	131° --	6500	--	311°	—
109	Grosse Wiese	278		134.60	4.375	082° 08	2900	26	262°	—
FRG	N52°08'12/.213 E10°34'14/.246	85		251.25	39.65					—
16	Gutersloh EDUO	213	108X	122.10	4.850	101° 09	7100	27	281°	—
FRG	N51°55'22/.368 E08°18'14/.243	65	412	252.20	40.60			^110.70		—
123	Hahn EDAH	1621	24X NO DME	119.50	4.450	044° 03	7700	21	224°	—
FRG	N49°56'54/.906 E07°15'50/.834	494	113.00 21: 482	251.40	39.80	ILS^		^ILS		—
EDAH code is also used by Garz										
129	Haina EDGE	1018		119.75	4.625	112° 10	6800	28	292°	—
GDR	N50°59'29/.499 E10°28'46/.773	310		251.75	40.15	• RWY10: 300 ft CHIMNEY				
17	Hamburg EDDH	73	115.80	126.85	4.925	059° 05	8800	23	239°	—
FRG	N53°37'36/.609 E09°58'52/.878	22	05: 350.5 15: 323 23: 339	252.35	40.75	110.50^		^111.50		—
						162° 15	13000	33	342°	—
						111.35^		^109.90		—
18	Hamburg Finkenwerder EDHI	10		123.20	4.950	061° 05	5400	23	241°	—
FRG	N53°32'02/.048 E09°49'58/.972	3		252.40	40.80	108.50^	<NO G/S>	^110.70		—

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1945 +6° 1946-1952 +5° 1953-1965 +4° 1966-1978 +3° 1979-1986 +2° 1987-1998 +1°

1999-2005 0° 2006-2013 -2° 2014-2019 -2° 2020-2024 -3° 2025-2031 -4°

Han—Men

19	Hannover EDDV	168	09L: 358	120.20	4.525	101° 09L 8500	27R 281°	
FRG	N52°27'16/.268 E09°41'37/.623	51	09R: 332 27R: 320	252.45	40.85	108.90^	^108.30	
						101° 09C 1800	27C 281°	
						101° 09R 7400	27L 281°	
						109.50^	^108.70	
108	Hasselfelde DE-0343	1619		119.00	4.350	093° 09 3100	27 273°	
GDR	N51°42'19/.323 E10°52'43/.721	493		251.20	39.60	• RWY27: POWER LINES		
191	Herrenteich EDEH	305		127.40	4.300	049° 06 2700	24 229°	
FRG	N49°20'36/.610 E08°29'23/.390	93		253.15	41.55	• RWY06: TREES		
90	Hildesheim	322		118.30	4.150	083° 07 3300	25 263°	
FRG	N52°10'47/.787 E09°56'44/.746	98		250.80	39.20			
192	Hockenheim	323		134.60	4.050	152° 15 2800	33 332°	
FRG	N49°19'30/.515 E08°31'38/.648	98		253.20	41.60			
93	Holzdorf ETSH	245	9	118.20	4.225	098° 09 7600	27 278°	
GDR	N51°46'04/.067 E13°10'10/.182	75		250.95	39.35	609.5>295	295<609.5	
						9^	^9	
80	Kammermark DE-0269	287		119.00	3.875	085° 08L 3100	26R 265°	
GDR	N53°11'45/.757 E12°09'54/.901	87		250.25	38.65	085° 08R 3100	26L 265°	
60	Kothen	284		125.90	4.250	095° 10 7900	28 275°	
GDR	N51°43'17/.283 E11°57'41/.690	87		254.35	39.80	350>718	718<350	
						RWY10-28 PAINTED AS 09-27		
20	Laage ETNL	115	40	129.50	4.650	104° 10 8100	28 284°	
GDR	N53°55'05/.083 E12°16'45/.762	35		252.70	41.10	1247>976	976<1247	
						38^		
193	Langenselbold EDTJ	410		126.10	3.875	066° 06 2800	24 246°	
FRG	N50°10'28/.477 E09°03'47/.796	125		253.25	41.65			
21	Larz EDAX	210	37	129.90	4.450	080° 08 7500	26 260°	
GDR	N53°18'22/.382 E12°45'08/.149	64		252.75	41.15	965>476	476<965	
						37^	^37	
139	Leipzig Halle ETLS	421		129.00	4.900	111° 11 7900	29 291°	
GDR	N51°24'54/.901 E12°13'37/.629	128		252.30	40.70	446>425	425<357	
						110.30^		
183	Leipzig Mockau ETLM	415	117.00	119.75	4.800	068° -- 3000	-- 248°	
GDR	N51°23'37/.626 E12°24'28/.482	127	07: 426	252.95	41.35	068° 07 4700	25 248°	
							426<335	
						• RWY25: 500 ft CHIMNEY		
						068° -- 3400	-- 248°	
59	Lubeck EDHL	75	07: 394	128.70	4.825	080° 07 5600	25 260°	
FRG	N53°48'17/.292 E10°43'00/.012	23		254.30	41.60			
65	Luneburg	148		136.50	4.350	082° 08 2100	26 262°	
FRG	N53°14'54/.912 E10°27'34/.571	45		254.55	41.45	RWY08-26 PAINTED AS 06-24		
22	Mahlwinkel CS14	162	6	126.10	3.775	097° 10 7800	28 277°	
GDR	N52°23'17/.297 E11°49'35/.584	49		252.80	41.20	620>300	300<620	
						6^	^6	
						RWY10-28 PAINTED AS 09-27		
136	Mendig ETHM	601	331	122.10	4.800	086° 08 5000	26 266°	
FRG	N50°21'57/.960 E07°18'56/.936	183		252.10	40.50	HILLS: WEST, NORTH-WEST		

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1945 +6° 1946-1952 +5° 1953-1965 +4° 1966-1978 +3° 1979-1986 +2° 1987-1998 +1°

1999-2005 0° 2006-2013 -2° 2014-2019 -2° 2020-2024 -3° 2025-2031 -4°

Mer—Teg

137	Merseburg EDAM	340	23	127.20	4.825	082° 09	7700	27	262°	
GDR	N51°21'50/.838 E11°56'59/.999	104		252.15	40.55	398>810		810<398		—
	EDAM code is also used by Zweibrücken					23^		^23		
						RWY09-27 PAINTED AS 08-26				
23	Neubrandenburg EDBN	177		124.50	4.275	093° 09	7200	27	273°	—
GDR	N53°36'08/.134 E13°18'21/.365	54		253.00	41.40	950>460		460<950		—
24	Neuruppin DE-0259	148		123.50	4.875	105° 10	7500	28	285°	—
GDR	N52°56'27/.463 E12°47'12/.214	45		253.45	41.85	842>412		412<842		—
66	Northeim	49		134.60	4.150	089° 09	2800	27	269°	—
FRG	N52°59'03/.060 E11°14'13/.225	15		254.65	41.25					—
195	Ober-Morlen	716		134.60	4.400	057° 06	2800	24	237°	—
FRG	N50°21'44/.747 E08°42'43/.731	218		253.35	41.75	HILLS: SOUTH-WEST				—
135	Obermehler Schlotheim EDCO	889		122.90	4.775	117° 12	4400	30	297°	—
GDR	N51°16'03/.064 E10°38'05/.088	271		252.05	40.45			217<445		—
						RWY12-30 PAINTED AS 11-29				
62	Parchim EDOP	171	20	129.00	4.775	072° 07	9500	25	252°	—
GDR	N53°25'40/.671 E11°47'11/.194	52		254.45	39.85	376>766		766<376		—
25	Peenemunde EDCP	23	16	124.00	4.675	141° 13	7800	31	321°	—
GDR	N54°09'31/.521 E13°46'24/.416	7		253.55	41.95	423>867		867<423		—
179	Pferdsfeld	1313	77X	132.65	3.850	097° 09	7800	27	277°	—
FRG	N49°51'18/.308 E07°36'16/.281	400	394	252.85	41.25	ILS^		^109.10		—
86	Pinnow EDBP	149		119.00	4.050	018° 02L	3200	20R	198°	—
GDR	N53°36'59/.992 E11°33'47/.787	45		250.60	39.00	018° 02R	3200	20L	198°	—
196	Pottschutthohe EDRP	1099		134.60	4.025	059° 06	2100	24	239°	—
FRG	N49°15'52/.867 E07°29'19/.324	335		253.40	41.80	RWY06-24 PAINTED AS 22-04				—
133	Ramstein ETAR	805	81X	133.20	4.725	097° 09	7800	27	277°	—
FRG	N49°26'12/.214 E07°36'00/.003	245		251.95	40.35	111.50^		^110.75		—
92	Rinteln	174		134.80	4.200	122° 12	2100	30	302°	—
FRG	N52°10'28/.481 E09°03'10/.174	53		250.90	39.30					—
26	Schonefeld ETBS	152		121.30	4.550	073° 07L	8600	25R	253°	—
GDR	N52°23'03/.053 E13°32'03/.060	46		253.60	42.00			^110.30		—
						073° 07R	9500	25L	253°	—
						309>430		430<299		—
						110.70^		^109.90		—
128	Schweinfurt EDOA HELIPORT	753	363	119.95	4.600	092° 09	1900	27	272°	—
FRG	N50°02'55/.931 E10°10'10/.179	230		251.70	40.10					—
124	Sembach ETAS	1022	28X	121.50	4.475	074° 07	7600	25	254°	—
FRG	N49°30'22/.368 E07°51'48/.803	311		251.45	39.85					—
130	Spangdahlem EDAD	984	32X	122.20	4.650	056° 05	9700	23	236°	—
FRG	N49°58'35/.594 E06°41'55/.929	300		251.80	40.20	109.15^		^108.10		—
	EDAD code is also used by Dessau									
77	Sperenberg DE-0009	186	28	123.10	3.800	099° 09	7800	27	279°	—
GDR	N52°08'12/.214 E13°18'21/.355	57		250.10	38.50	221>254		254<221		—
27	Stendal ED0V	122		122.00	4.600	088° 08	6200	26	268°	—
GDR	N52°37'44/.745 E11°49'11/.189	37		253.65	42.05			449<910		—
28	Tegel EDDT <i>West Berlin / FR</i>	116	70X	124.50	3.750	086° 08L	9600	26R	266°	—
FRG	N52°33'30/.506 E13°17'34/.573	35	112.30	253.70	42.10	109.10^		^110.10		—
			08: 392			086° 08R	6600	26L	266°	—
			26: 321.5			108.50^		^109.30		—

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1945 +6° 1946-1952 +5° 1953-1965 +4° 1966-1978 +3° 1979-1986 +2° 1987-1998 +1°

1999-2005 0° 2006-2013 -2° 2014-2019 -2° 2020-2024 -3° 2025-2031 -4°

Tem-Z

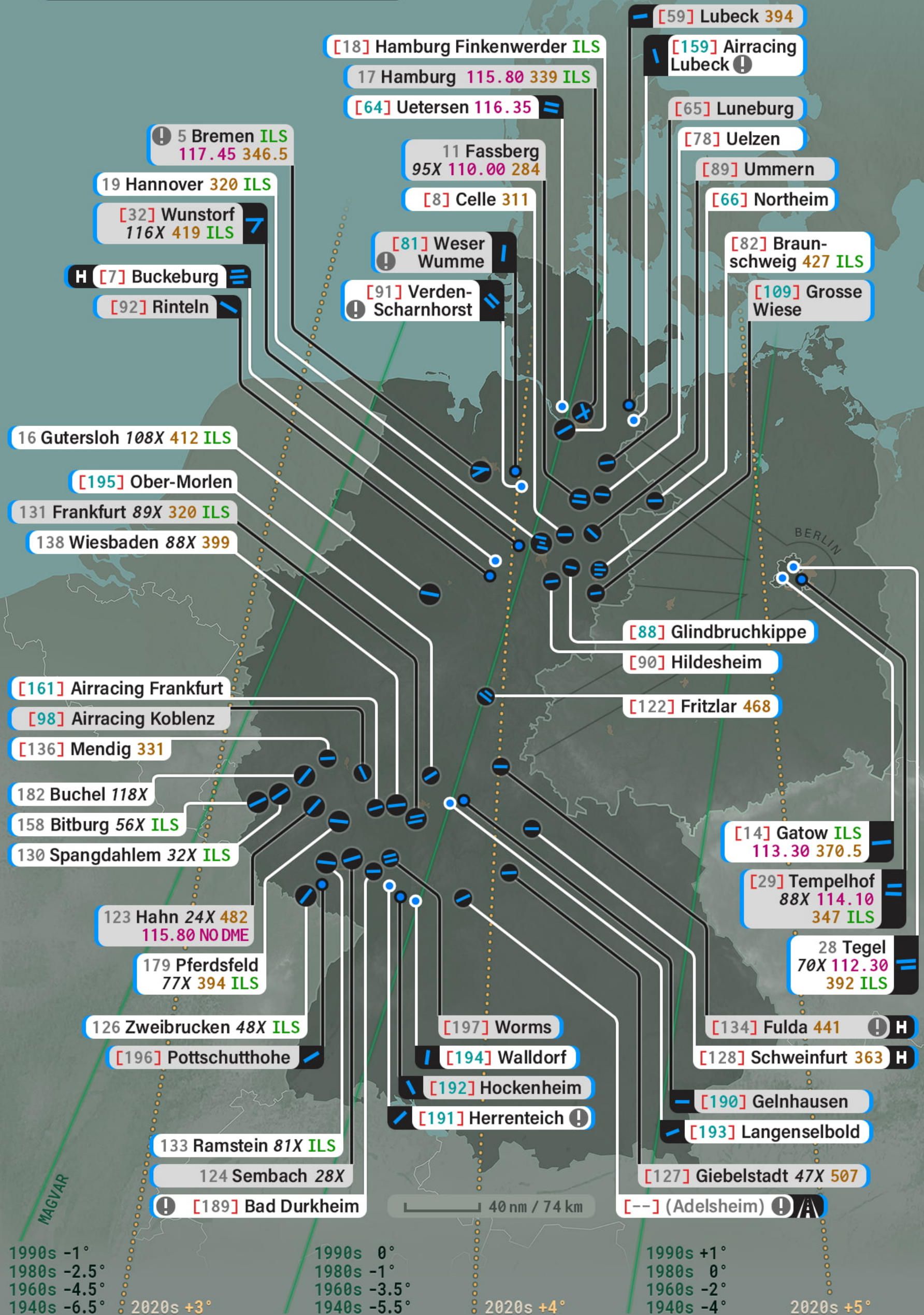
29	Tempelhof	EDDI	West Berlin / US	154	88X	119.50	4.850	091°	09L	3500	27R	271°	
FRG	N52°28'15/.264	E13°24'15/.256		47	114.10	253.75	42.15	093°	09R	5000	27L	273°	
					09R: 347			109.70^			^109.50		
					27L: 327								
15	Templin	EDUT		242	15	128.00	4.575	094°	09	11100	27	274°	
GDR	N53°01'55/.919	E13°32'33/.552		74		251.65	40.05	451>219			219<451		
								15^			^15		
30	Tutow	EDUW		7		125.50	4.425	175°	17	6800	35	355°	
GDR	N53°55'18/.307	E13°13'08/.143		2		253.85	42.25				803<398		
78	Uelzen	EDVU		253		119.10	3.825	095°	09	3600	27	275°	
FRG	N52°59'01/.017	E10°27'52/.867		77		250.15	38.55						
64	Uetersen	EDHE		23	116.35	119.00	4.500	103°	09L	3200	27R	283°	
FRG	N53°38'47/.790	E09°42'14/.241		7		254.50	41.55	103°	09R	3200	27L	283°	
89	Ummern			219		134.20	4.125	133°	13	2100	31	313°	
FRG	N52°37'13/.227	E10°24'39/.660		67		250.75	39.15						
91	Verden-Scharnhorst	EDWV		147		127.70	4.175	135°	13	1800	31	315°	
FRG	N52°57'56/.945	E09°16'50/.837		45		250.85	39.25						
194	Walldorf	EDGX		363		134.60	4.925	009°	01	2900	19	189°	
FRG	N49°18'13/.221	E08°39'41/.685		111		253.30	41.70						
84	Waren Vielist	EDOW		267		134.80	3.975	056°	06	2800	24	236°	
GDR	N53°33'57/.956	E12°39'13/.228		81		250.45	38.85						
31	Werneuchen			259	4	122.60	4.200	089°	08	7800	26	269°	
GDR	N52°37'54/.907	E13°46'07/.127		79		253.90	42.30						
81	Weser Wumme	EDWM		82		119.00	3.900	007°	01	3200	19	187°	
FRG	N53°03'21/.365	E09°12'29/.497		25		250.30	38.70						
138	Wiesbaden			454	88X	118.10	4.875	083°	08	6700	26	263°	
FRG	N50°02'59/.988	E08°19'32/.533		138	399	252.25	40.65						
83	Wismar			32		134.30	3.950	088°	10	2100	28	268°	
GDR	N53°54'51/.866	E11°30'08/.146		10		250.40	38.80						
1	Wittstock	ETXX		226	22	118.50	4.725	081°	08	7500	26	261°	
GDR	N53°12'08/.142	E12°31'22/.378		69		252.50	40.90	421>205			205<421		
								22^			^22		
197	Worms	EDFV		277		127.10	4.950	074°	07	1800	25	254°	
FRG	N49°36'23/.390	E08°21'55/.924		84		253.50	41.90						
32	Wunstorf	ETNW		165	116X	121.10	3.800	036°	03	4900	21	216°	
FRG	N52°27'26/.439	E09°25'37/.626		50	26: 419	253.95	39.95	091°	08	5400	26	271°	
											^109.70		
4	Zerbst	EDUZ		250	17	119.80	3.900	071°	07	7800	25	251°	
GDR	N51°59'58/.977	E12°08'39/.656		76		254.05	40.95	708>345			345<708		
								20^			^20		
126	Zweibrucken	EDAM		1083	48X	123.00	4.525	041°	03	6700	21	221°	
FRG	N49°12'34/.572	E07°24'02/.049		330		251.55	39.95	111.10^					
	EDAM code is also used by Merseburg												

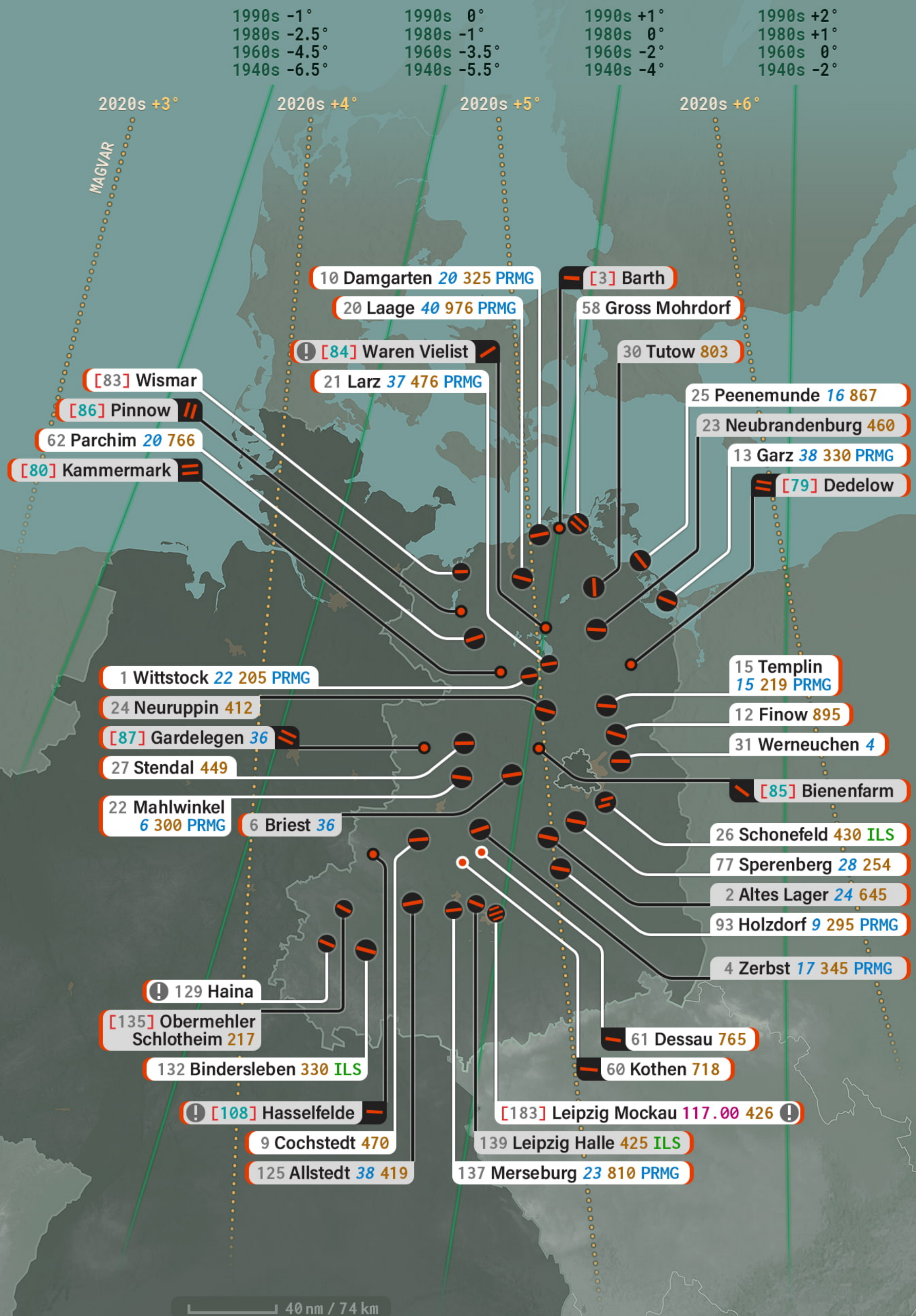
Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1945 +6° 1946-1952 +5° 1953-1965 +4° 1966-1978 +3° 1979-1986 +2° 1987-1998 +1°

1999-2005 0° 2006-2013 -2° 2014-2019 -2° 2020-2024 -3° 2025-2031 -4°

All territories except East Germany and East Berlin





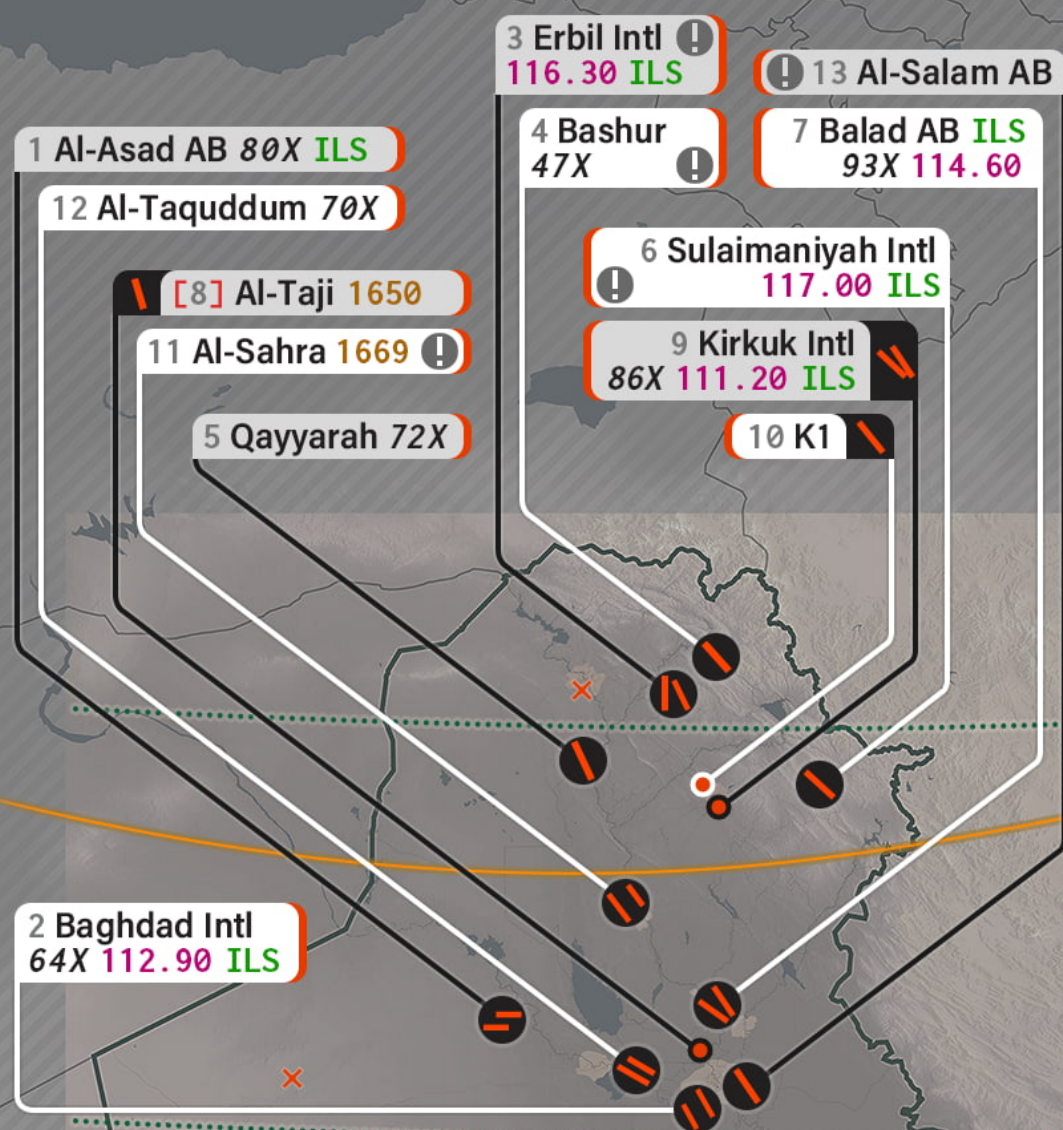
1	Al-Asad Airbase ORAA	N	610	80X	131.20	3.900	085° 09L 12800 27R 265°	
IQ	N33°46'52/.875 E42°25'39/.655		186		363.70	38.70	ILS^ ^108.90	—
							085°•09R 12800 27L•265°	
11	Al-Sahra ORSH	N	434	1669	118.05	3.825	139° 14L 7000 32R 319°	
IQ	N34°40'04/.078 E43°32'11/.183		132	(1.67 MHz)	250.15	38.55	139°•14R 9900 32L•319°	—
							• 400 ft RADIO TOWER	
13	Al-Salam Airbase ORRA	N	87		118.10	3.875	142° 15 8200 33 322°	—
IQ	N33°16'44/.739 E44°29'39/.654		26		250.25	38.65	• 500 ft BUILDINGS	—
8	Al-Taji ORTI	N	102	1650	126.00	4.075	157° 16 5600 34 337°	—
IQ	N33°31'25/.430 E44°15'24/.404		31	(1.65 MHz)	250.60	39.05		—
12	Al-Taquddum ORAT	N	264	70X	135.70	3.850	116°•12L 11700 30R•296°	—
IQ	N33°20'21/.358 E43°35'54/.907		80		250.20	38.60	116° 12R 12800 30L 296°	—
2	Baghdad Intl ORBI	N	108	64X	118.90	3.925	146° 15L 12800 33R 326°	—
IQ	N33°15'21/.355 E44°13'32/.534		33	112.90	250.30	38.75	110.70^ ^110.10	—
							146°•15R 10500 33L•326°	—
							110.90^ ^110.30	—
7	Balad Airbase ORBD	N	144	93X	119.80	4.050	121° 12 11200 30 301°	—
IQ	N33°56'34/.573 E44°22'01/.023		44	114.60	250.55	39.00	141°•14 11200 32• 321°	—
							109.95^ ^109.90	—
4	Bashur ORBR	N	2071	47X	118.80	3.975	134° 13 6300 31 314°	—
IQ	N36°32'04/.074 E44°20'21/.350		631		250.40	38.85	IN A VALLEY (HILLS)	—
3	Erbil Intl ORER	N	1254	116.30	128.80	3.950	147° 15 8800 33 327°	—
IQ	N36°14'18/.302 E43°56'47/.797		382		250.35	38.80	109.30^	—
							176°•18 15300 36• 356°	—
							ILS^ ^109.70	—
							• 400 ft CRANES	—
10	K1 Base	N	977	3nm from	118.00	3.800	136° 14 6200 32 316°	—
IQ	N35°30'45/.766 E44°17'03/.056		298	Kirkuk	250.10	38.50		—
9	Kirkuk Intl ORKK	N	1027	86X	125.55	3.775	129°•13 9500 31• 309°	—
IQ	N35°28'16/.270 E44°20'40/.672		313	111.20	250.05	38.45	^109.10	—
							141° 14 8200 32 321°	—
5	Qayyarah Airfield West ORQW	N	723	72X	122.20	4.000	149° 15 11200 33 329°	—
IQ	N35°45'57/.953 E43°07'20/.337		220		250.45	38.90		—
6	Sulaimaniyah Intl ORSU	N	2431	117.00	121.70	4.025	128° 13 11200 31 308°	—
IQ	N35°33'39/.651 E45°18'53/.884		741		250.50	38.95	111.10^ ^111.70	—
							MOUNTAINS, HILLS	—

MAP REGIONS: (N)ORTH, (S)OUTH



Adjust the above magnetic headings when operating in the following years (expect up to 1 degree of error):

1939-2007 +1° 2008-2023 0° 2024-2040 -1°



MAGVAR

1991 +3.5°
2003 +4°
2011 +4.5°
2014 +4.7°
2021 +5°
2025 +5.3°

36°

1991 +3°
2003 +3.3°
2011 +4°
2014 +4.2°
2021 +4.5°
2025 +4.6°

33°

IRAQ NORTH
IRAQ SOUTH

1991 +2.5°
2003 +3°
2011 +3.5°
2014 +3.6°
2021 +3.9°
2025 +4°

A—Kir

33	Afrikanda XLMF	495		121.30	4.775	078° 10	7700	28	275°	—
RU	N67°27'26/.439 E32°47'02/.039	151		311.00	39.90					
19	Alakurtti RU59	548		118.35	4.025	107° 12	6800	30	287°	—
RU	N66°58'21/.362 E30°20'54/.911	167		250.50	38.95				HILLS: NORTH-EAST	—
24	Alta ENAT	9	117.40	120.40	4.150	106° 11	5500	29	286°	—
NO	N69°58'38/.635 E23°21'57/.953	3		250.75	39.20	108.90^			HILLS: SOUTH-EAST	—
20	Andoya ENAN	24	28X	118.20	4.075	145° 14	7800	32	325°	—
NO	N69°17'51/.850 E16°08'07/.125	7	112.20	250.60	39.05				MOUNTAINS: WEST, SOUTH-WEST	—
1	Banak ENNA <i>Lakselv</i>	17	47X	118.05	4.050	158° 16	8200	34	338°	—
NO	N70°04'07/.127 E24°58'24/.407	5	114.40	250.55	39.00			^108.30	MOUNTAINS: WEST	—
21	Bardufoss ENDU	243	114.20	118.10	4.100	101° 10	6600	28	281°	—
NO	N69°03'19/.320 E18°32'36/.610	74		250.65	39.10			28:108.70–279°	LOC OFFSET APPR	—
									MOUNTAINS: EAST, SOUTH	—
7	Bodo ENBO	42	45X	118.45	4.375	076° 07	9000	25	256°	—
NO	N67°16'09/.152 E14°21'55/.921	13	117.55	251.15	39.65	110.30^		25:108.70–267°	LOC OFFSET APPR	—
			320						HILLS: NORTH-EAST; MOUNTAINS	—
26	Enontekio EFET	1004		119.70	4.200	020° 03	6300	21	200°	—
FI	N68°21'45/.750 E23°25'26/.446	306		250.85	39.30			^111.30		—
25	Evenes ENEV <i>Harstad/Narvik</i>	86	73X	118.00	4.175	173° 17	8400	35	353°	—
NO	N68°29'28/.470 E16°40'41/.686	26	117.35	250.80	39.25	108.90^			SURROUNDED BY HILLS	—
23	Hosio Road 924 ROAD BASE	379		NO ATC		052° 06	5900	24	232°	—
FI	N65°53'45/.766 E25°42'13/.231	115							UNLIT RWY	—
18	Ivalo EFIV	479		118.00	4.000	026° 04	7900	22	206°	—
FI	N68°36'25/.425 E27°24'17/.287	146		250.45	38.90			^115		—
11	Jokkmokk ESNJ	895	14	123.30	3.825	123° C	2100	C	303°	—
SE	N66°29'46/.780 E20°08'49/.825	273	32	250.15	38.55	135° 14	6300	32	315°	—
						142° B	2700	B	322°	—
						173° D	3200	D	353°	—
32	Kalevala ULPK	400		119.30	3.775	012° 02	2000	20	192°	—
RU	N65°12'34/.582 E31°08'02/.035	122		301.00	38.40				RWY02–20 PAINTED AS 20–02	—
									•RWY02: TREES	—
13	Kalixfors ESUK	1554	3 nm	118.30	3.875	044° 05	2400	23	224°	—
SE	N67°45'53/.895 E20°15'03/.060	474	south-west of Kiruna	301.10	38.65	098° 11	2400	29	278°	—
						161° 17	3700	35	341°	—
									UNLIT RWYS; TALL TREES	—
15	Kallax ESPA <i>Luleå</i>	65		128.20	3.925	125° 14	10700	32	305°	—
SE	N65°32'37/.622 E22°07'19/.322	20		250.30	38.75	110.30^		^109.90		—
3	Kemi Tornio EFKE	47		119.40	4.275	172° 18	8100	36	352°	—
FI	N65°46'53/.891 E24°34'56/.933	14		251.00	39.45	115^				—
28	Kilpyavr XLMW	305		119.10	4.250	016° 03	7800	21	196°	—
RU	N69°05'41/.694 E32°24'02/.033	93		250.95	39.40				HILLS: SOUTH	—
14	Kirkenes ENKR	282	112.00	120.35	3.900	044° 05	6100	23	224°	—
NO	N69°43'31/.522 E29°53'24/.407	86		250.25	38.70			^110.30		—
5	Kiruna ESNQ	1504	115.20	130.15	4.325	023° 03	8000	21	203°	—
SE	N67°49'19/.316 E20°20'12/.207	458	360	251.05	39.55			^110.30		—

Adjust the above magnetic headings when operating in the following years (expect 1–2 degrees of error):

1939–1943	+11°	1944–1949	+10°	1950–1973	+9°	1974–1984	+8°	1985–1991	+7°
1992–2000	+6°	2001–2005	+5°	2006–2010	+4°	2011–2016	+3°	2017–2019	+2°
		2020–2022	+1°	2023–2025	0°	2026–2028	–1°		

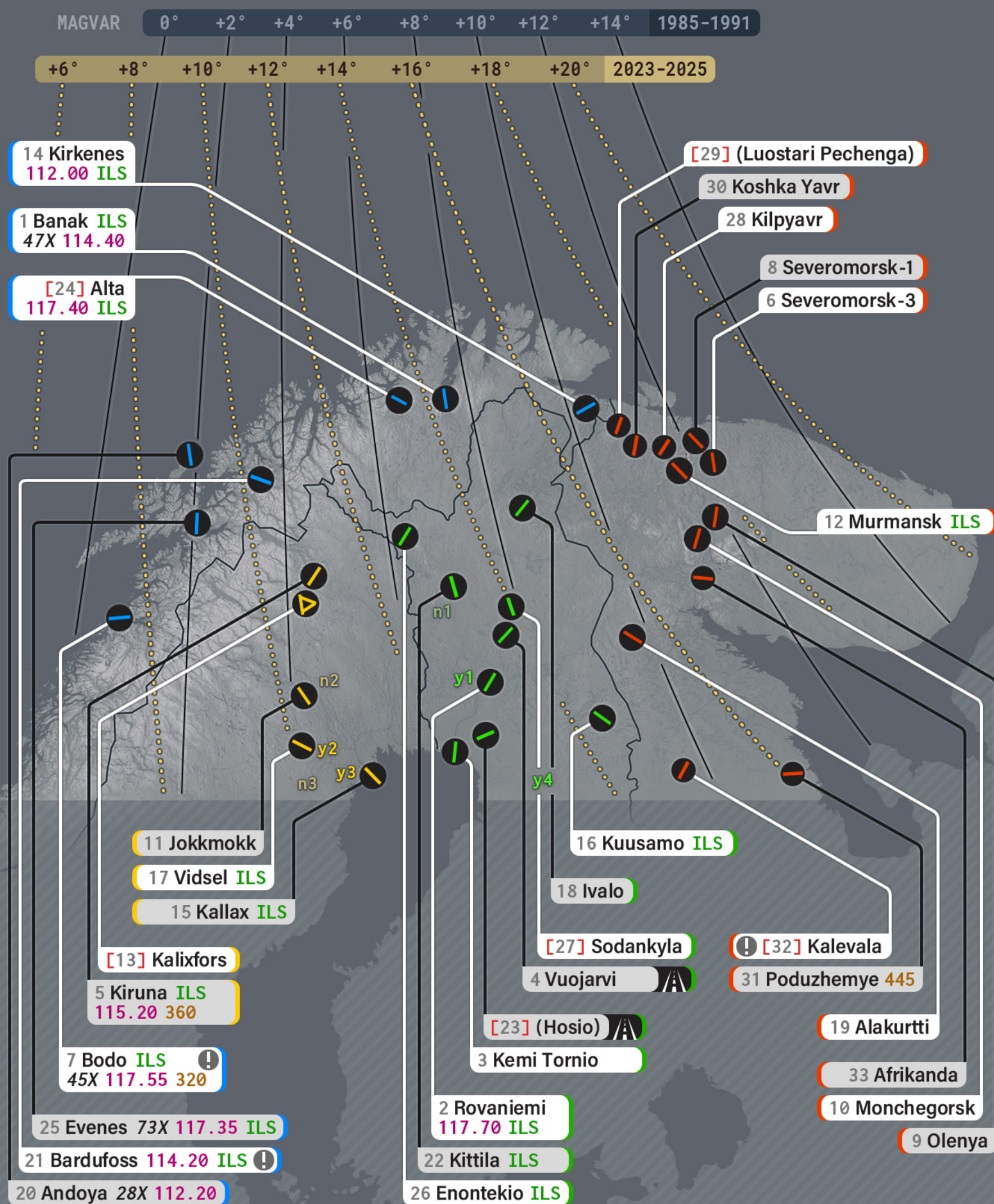
Kit–V

22	Kittila EFKT	646		118.95	4.125	149° 16	7900	34	329°	
FI	N67°42'03/.059 E24°50'48/.812	197		250.70	39.15				^111.90	\
30	Koshka Yavr XLMY	471		123.80	4.850	353° 01	9300	19	173°	/
RU	N69°15'04/.074 E31°11'46/.780	144		225.50	38.45	RWY01–19 PAINTED AS 19–01				
16	Kuusamo EFKS	867		118.65	3.950	110° 12	7800	30	290°	\
FI	N65°59'15/.252 E29°14'21/.361	264		250.35	38.80				110.30^	\
29	Luostari Pechenga XLML	249		NO ATC		003° 02	5400	20	183°	/
RU	N69°24'08/.143 E30°59'27/.453	76				HILLS: SOUTH, SOUTH-WEST				
10	Monchegorsk UMOE	570		118.25	3.800	350° 01	7600	19	179°	/
RU	N67°59'20/.339 E33°01'06/.115	174		250.10	38.50	HILLS: SOUTH-WEST				
12	Murmansk International ULMM	262		127.30	3.850	118° 13	7900	31	298°	\
RU	N68°46'53/.896 E32°45'04/.079	80		250.20	38.60				110.30^ ^108.50	\
9	Olenya UOLE	726		131.40	4.425	350° 01	11000	19	170°	/
RU	N68°09'06/.102 E33°27'51/.852	221		251.25	39.75					
31	Poduzhemye XLPU	157	445 (6nm eastward)	120.10	3.925	071° 09	8000	27	251°	—
RU	N64°55'07/.119 E34°15'46/.778	48		250.55	38.45	RWY09–27 PAINTED AS 27–09				
2	Rovaniemi EFR0	637	117.70	118.70	4.250	020° 03	9500	21	200°	/
FI	N66°33'53/.889 E25°49'49/.824	194		250.95	39.40				^111.70	/
8	Severomorsk-1 ULAK	272		127.80	4.400	117° 14	10100	32	297°	\
RU	N69°01'49/.826 E33°25'22/.379	83		251.20	39.70					
6	Severomorsk-3 XLMV	570		124.30	4.350	153° 17	7900	35	333°	\
RU	N68°52'00/.013 E33°43'05/.083	174		251.10	39.60					
27	Sodankyla EFS0	597		123.40	4.225	146° 16	4600	34	326°	/
FI	N67°23'42/.700 E26°37'08/.148	182		250.90	39.35					
17	Vidsel ESPE	594		119.20	3.975	107° 11	7000	29	287°	\
SE	N65°52'30/.515 E20°08'59/.994	181		250.40	38.85				^109.50	\
4	Vuojarvi ROAD BASE	736		118.40	4.300	029° 04	7000	22	209°	/
FI	N67°04'08/.146 E26°32'23/.385	224		257.10	39.50	UNLIT RWY				



Adjust the above magnetic headings when operating in the following years (expect 1–2 degrees of error):

1939–1943	+11°	1944–1949	+10°	1950–1973	+9°	1974–1984	+8°	1985–1991	+7°
1992–2000	+6°	2001–2005	+5°	2006–2010	+4°	2011–2016	+3°	2017–2019	+2°
		2020–2022	+1°	2023–2025	0°	2026–2028	–1°		



LANDABLE HIGHWAY STRIPS:

y1 Road 9523 / Rovaniemi
 N66°34'12/.216 168°-348°
 E25°47'50/.841 [5300ft]

y2 Road 374 / Vidsel
 N65°49'19/.319 124°-304°
 E20°34'00/.012 6500ft

y3 Route E4 / Antnäs
 N65°32'27/.462 043°-223°
 E21°49'19/.332 6500ft

y4 Road 78 / Pudasjärvi
 N65°24'29/.488 122°-302°
 E26°53'43/.728 [4500ft]

NON-LANDABLE:

n1 Road 80
 Ylläksentie

n2 Road 97
 Jokkmokk

n3 Road 373
 Långträsk

60 nm / 111 km

6 Andersen AFB PGUA	606	54X	066° 06L 10300 24R 246°	
N 13°34'54/.902	185		109.30^	^109.35
E144°55'51/.863			066°•06R 10900 24L•246°	
			110.10^	^110.15
	126.20 3.850			
	250.10 38.60			
4 Antonio BWP PGUM	255	105X	065°•06L 10600 24R•245°	
N 13°29'05/.086	86	115.80	110.30^	
E144°47'48/.809		385	065° 06R 8600 24L 245°	
			110.90^	
	118.10 3.825			
	340.20 38.55			
8 North West Field	522	NO ATC	063° 06 4500 24 243°	
N 13°37'30/.508	160		INCLUDING THE PARKING AREA:	xxx
E144°51'29/.487			7600	
5 Olf Orote	94	NO ATC	067° 07 3500 25 247°	
N 13°26'17/.291	29			
E144°38'31/.532				
7 Pagan Airstrip	49	NO ATC	112° 11 1800 29 292°	
N 18°07'23/.396	15		HILLS: EAST	
E145°45'46/.770				
1 Rota PGRO	569	332	092° 09 6600 27 272°	
N 14°10'27/.462	173			
E145°14'27/.465				
	123.60 3.750			
	250.00 38.40			
2 Saipan PGSN	213	312	068° 06 6200 24 248°	
N 15°07'08/.135	65		068°•07 10600 25• 248°	
E145°43'44/.747			109.90^	
	125.70 3.775			
	256.90 38.45			
3 Tinian PGWT	284		079° 08 8200 26 259°	
N 14°59'57/.951	87			
E145°37'09/.150				
	123.65 3.800			
	250.05 38.50			

Adjust the above magnetic headings when operating in the following years:

1940-1959 -2° 1960-2015 -1° 2016-2030 0°

MAGVAR

2025: -1°

2000: 0°

2025: 0°

2000: +1°

1940: +1.5°

20 nm / 37km

- Farallon de Pajaros

20°01N 145°13E

420
- Maug

20°01N 145°13E
- Asuncion

19°42N 145°24E
- 18°46N 145°40E

Agrihan
- [7] (Pagan Airstrip)

Pagan

270
- 17°36N 145°50E

Alamagan
- Guguan

17°19N 145°50E
- 16°42N 145°47E

Sarigan
- Anatahan

16°21N 145°41E
- Farallon de Medinilla

16°01N 146°03E

160
- Saipan

110
- Tinian

2 Saipan

3 Tinian
- Aguijan

14°51N 145°33E
- 1 Rota

Rota

35
- 6 Andersen AFB

[8] (North West Field)

4 Antonio B. Won Pat

[5] (Olf Orote)

Guam

2025: +1°

2000: +2°

0 nm

● Farallon de Pajaros
20°01N 145°13E

● Maug
20°01N 145°13E

● Asuncion
19°42N
145°24E

● Agrihan
18°46N
145°40E

● Pagan

[11] Pagan
17°36N
145°50E
● Alamagan

● Guguan
17°19N
145°50E

16°42N
145°47E
● Sarigan

Anatahan
16°21N
145°41E

16°01N
146°03E
Farallon
de Medinilla

[8] Marpi

4 Charon
Kanoa

[7] Kagman

6 Isley

Saipan

Tinian

[--] (Airfield 4)

Aguijan
14°51N 145°33E

5 Gurguan Point

10 Ushi

[3] Airfield 3

Rota

9 Rota

! [--] (Dededo)

1 Agana

2 Orote

Guam

1	Agana	258	118.10	3.800	068° 07	4000	25	248°
	N 13°28'57/.951	79	250.10	38.50				
	E144°47'22/.380							
3	Airfield 3	121	118.20	3.850	096° 10	3400	28	276°
	N 15°04'04/.081	37	250.20	38.60				
	E145°38'05/.083							
--	Airfield 4	315	UNMARKED;		050° 05	2900	23	230°
	N 14°58'55/.926	96	ABANDONED;					
	E145°38'11/.199		NO ATC					
4	Charon Kanoa	11	118.25	3.875	033° 03	3600	21	213°
	N 15°09'35/.591	3	250.25	38.65				
	E145°42'19/.331							
--	Dededo Airfield	339	UNMARKED;		090° 09	4400	27	270°
	N 13°32'50/.836	103	ABANDONED;					
	E144°49'28/.467		NO ATC					
5	Gurguan Point	280	118.30	3.900	090° 09	4100	27	270°
	N 15°00'06/.113	85	250.30	38.70				
	E145°35'55/.927							
6	Isley	216	118.35	3.925	090° 09	3700	27	270°
	N 15°07'10/.175	66	250.35	38.75				
	E145°43'34/.569							
7	Kagman	230	118.40	3.950	090° 09	3200	27	270°
	N 15°10'03/.057	70	250.40	38.80				
	E145°46'24/.410							
8	Marpi	148	118.45	3.975	111° 11	3400	29	291°
	N 15°16'54/.906	45	250.45	38.85				
	E145°48'44/.748							
2	Orote	82	118.15	3.825	110° 11	4700	29	290°
	N 13°26'14/.241	25	250.15	38.55				
	E144°38'21/.355							
11	Pagan	49	118.05	3.775	111° 11	1500	29	291°
	N 18°07'23/.390	15	250.05	38.45				
	E145°45'47/.785							
9	Rota	595	118.50	4.000	091° 09	4700	27	271°
	N 14°10'27/.465	181	250.50	38.90				
	E145°14'31/.521							
10	Ushi	106	118.00	3.750	094° 09	4000	27	274°
	N 15°04'41/.688	32	250.00	38.40				
	E145°38'15/.251							

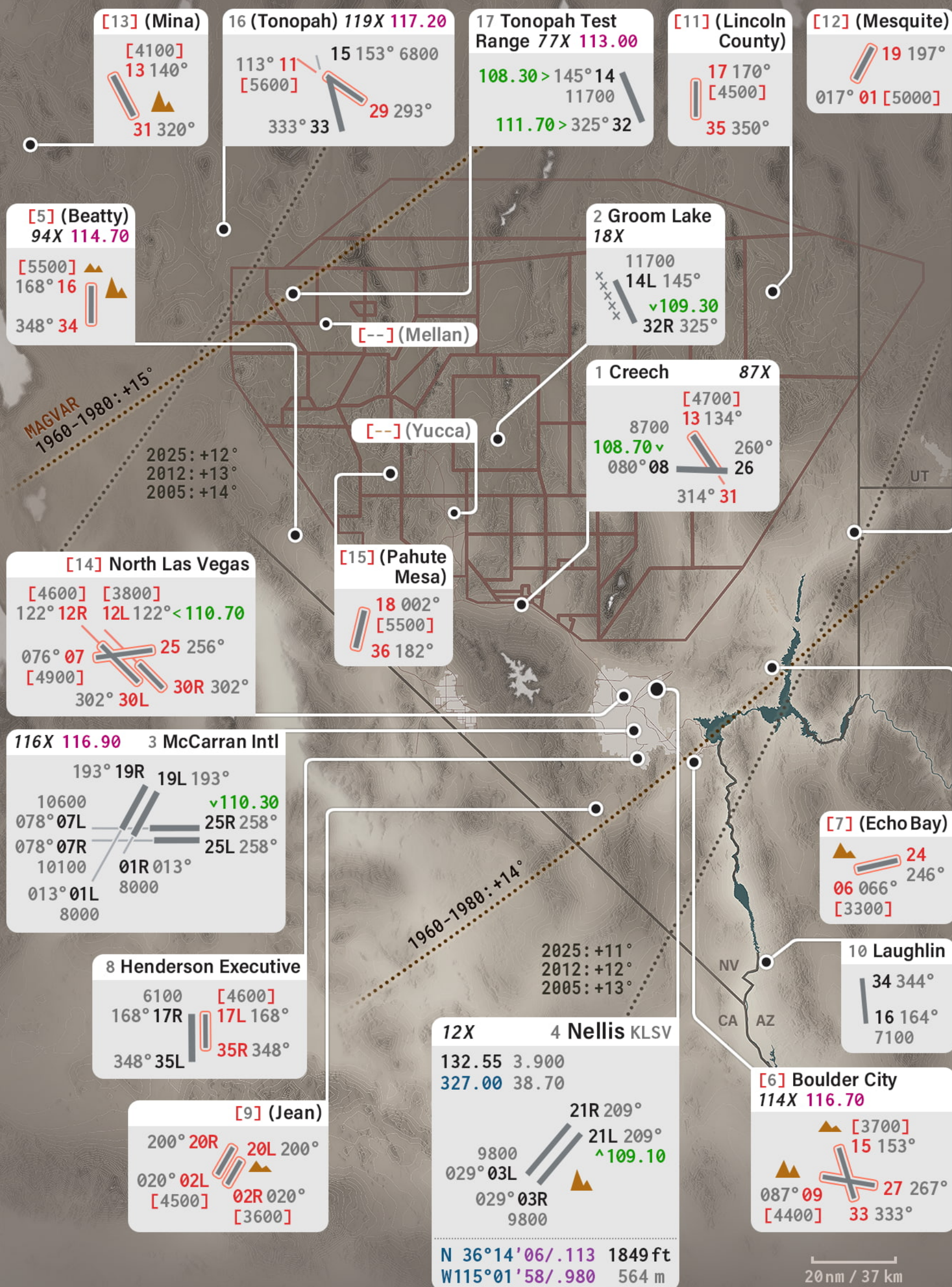
Adjust the above magnetic headings when operating in the following years:

1942-1954 0° 1955-2004 -1° 2005-2022 0° 2023-2030 +1°

5	Beatty KBTY N36°51'39/.660 W116°47'11/.185	3173 968	94X 114.70	NO ATC	168° 16 5500 34 348°	
6	Boulder City KBVU N35°56'55/.919 W114°51'42/.709	2205 672	114X 116.70	118.05 3.925 250.10 38.75	087° 09 4400 27 267° 153° 15 3700 33 333°	
1	Creech KINS N36°35'01/.029 W115°40'35/.586	3126 954	87X	118.30 3.825 360.60 38.55	080° 08 8700 26 260° 108.70^ 134° 13 4700 31 314° ILS^	
7	Echo Bay 0L9 N36°18'39/.663 W114°27'50/.833	1549 473		NO ATC	066° 06 3300 24 246°	
2	Groom Lake KXTA N37°13'59/.990 W115°47'32/.540	4495 1370	18X	118.00 3.850 250.05 38.60	145° 14L 11700 32R 325° ^109.30 145° 14R 17800 32L 325° ^^^ CLOSED ^^^	
8	Henderson Executive KHND N35°58'26/.439 W115°07'58/.983	2493 760		125.10 3.950 250.15 38.80	168° 17L 4600 35R 348° 168° 17R 6100 35L 348°	
9	Jean N35°46'09/.151 W115°19'46/.774	2825 861		NO ATC	020° 02L 4500 20R 200° 020° 02R 3600 20L 200°	
10	Laughlin, AZ KIFP N35°09'21/.366 W114°33'34/.567	673 206		123.90 3.750 250.00 38.40	164° 16 7100 34 344°	
11	Lincoln County N37°47'14/.241 W114°25'11/.194	4816 1468		NO ATC	170° 17 4500 35 350°	
3	McCarran International KLAS N36°04'35/.584 W115°08'40/.677	2178 664	116X 116.90	119.90 3.875 257.80 38.65	013° 01L 8000 19R 193° 013° 01R 8000 19L 193° 078° 07L 10600 25R 258° ^110.30 078° 07R 10100 25L 258° ^ILS	
--	Mellan airstrip N37°41'02/.049 W116°37'25/.416	5396 1645		CLOSED, NO ATC, UNMARKED, BUMPY	112° 11 4200 29 292° 152° 15 4800 33 332°	
12	Mesquite 67L N36°49'59/.987 W114°03'21/.354	1859 566		NO ATC	017° 01 5000 19 197°	
13	Mina N38°22'47/.787 W118°05'48/.800	4560 1390		NO ATC	140° 13 4100 31 320°	
4	Nellis KLSV N36°14'06/.113 W115°01'58/.980 RWY21L TDZ: N 36°14'36.19"/.603' W115°01'26.94"/.449'	1849 564	12X	132.55 3.900 327.00 38.70	029° 03L 9800 21R 209° 029° 03R 9800 21L 209° ^109.10	
14	North Las Vegas KVGT N36°12'48/.808 W115°11'41/.686	2228 679		125.70 3.775 360.75 38.45	076° 07 4900 25 256° 122° 12L 3800 30R 302° 110.70^ 122° 12R 4600 30L 302°	
15	Pahute Mesa N37°06'07/.119 W116°18'46/.770	5059 1542		NO ATC	182° 18 5500 36 002°	
16	Tonopah KTPH N38°03'44/.745 W117°04'59/.997	5390 1643	119X 117.20	NO ATC	113° 11 5600 29 293° 153° 15 6800 33 333°	
17	Tonopah Test Range KTNX N37°47'55/.932 W116°46'50/.847	5535 1687	77X 113.00	124.75 3.800 257.95 38.50	145° 14 11700 32 325° 108.30^ ^111.70	
--	Yucca airstrip N36°56'06/.104 W116°00'20/.347	3943 1202		CLOSED, NO ATC, UNMARKED	008° 01 5800 19 188° VSTOL ONLY	

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1930–2000 -3° 2001–2008 -2° 2009–2017 -1° 2018–2028 0°



Adjust the above magnetic headings when flying in the following years (expect about 1 degree of error):

1930-2000 -3° 2001-2008 -2° 2009-2017 -1° 2018-2028 0°

England / B-W

71	Biggin Hill N51°19'38/.646 E00°01'57/.954	568 173		134.80 5.400 253.30 41.70	033°·03 4800 21·213° 053° 05 2500 23 233° 113° 11 2800 29 293°	
27	Chailey N50°57'08/.149 W00°02'50/.844	95 29		119.05 4.200 250.90 39.35	082° 07 4200 25 262° 161°·15 3500 33·341°	
54	Deanland N50°53'03/.059 E00°09'40/.680	72 22	• RWY 34: HUGE BUMP	120.55 4.925 252.35 40.80	063° 22 3800 34 243°	
73	Detling N51°18'20/.346 E00°36'05/.092	593 181		118.45 5.450 253.40 41.80	051° 04 3700 22 231°	
81	Eastchurch N51°23'26/.442 E00°51'11/.193	34 10		119.25 5.675 253.85 42.25	032°·02 2200 20·212° 117° 09 2600 27 297°	
52	Farnborough N51°16'43/.722 W00°46'28/.480	246 75		120.45 4.875 252.25 40.70	071° 06 4700 24 251° 116° 11 3000 29 296° 182°·17 4000 35·002°	
31	Ford N50°49'05/.085 W00°35'26/.443	29 9		119.35 4.325 251.15 39.60	067° 06 5600 24 247° 153°·14 4500 32·333°	
53	Friston N50°45'42/.704 E00°10'17/.289	309 94		120.50 4.900 252.30 40.75	069° 06 3700 24 249°	
29	Funtington N50°52'05/.088 W00°52'08/.144	125 38		119.15 4.250 251.00 39.45	095° 08 6700 26 275° 160°·15 5000 33·340°	
66	Gravesend N51°25'04/.079 E00°23'48/.802	232 71	UNEVEN RUNWAY	121.20 5.250 253.00 41.40	187° 18 5000 36 007°	
82	Hawkinge N51°06'42/.702 E01°09'29/.483	543 166		121.80 5.700 253.90 42.30	022° 01 2900 19 202° 050°·07 3300 25·230°	
80	Headcorn N51°09'22/.377 E00°38'39/.654	66 20		121.75 5.650 253.80 42.20	111°·10 4200 28·291° 187° 18 3100 36 007°	
50	Heathrow N51°28'39/.657 W00°27'12/.216	89 27		CLOSED, NO ATC	098° 12 8700 30 278°	xxxxx
78	High Halden N51°07'28/.468 E00°42'19/.331	113 34		121.65 5.575 253.65 42.05	035°·04 4100 22·215° 106° 11 3700 29 286°	
43	Kenley N51°18'14/.240 W00°05'47/.794	561 171	• RWY 30: NO LAND	120.00 4.650 251.80 40.25	031° 02 3000 20 211° 131°·02 2100 30·311°	
37	Lymington N50°45'44/.748 W01°30'51/.863	20 6		119.65 4.475 251.45 39.90	068° 06 4200 24 248° 147°·12 3500 30·327°	
74	Lympne N51°04'58/.969 E01°01'10/.178	225 68		121.50 5.475 253.45 41.85	028° 02 3500 20 208° 119°·07 3000 25·290°	
72	Manston EGMH N51°20'32/.539 E01°20'46/.769	157 48		118.25 5.425 253.35 41.75	060° 06 5000 24 240° 107°·11 8700 29·287°	
28	Needs Oar Point N50°46'17/.299 W01°26'04/.071	20 6		119.10 4.225 250.95 39.40	071°·06 4200 24·251° 180° 17 4700 35 000°	
39	Odiham N51°14'03/.065 W00°56'30/.504	366 112		119.75 4.525 251.55 40.00	105° 10 5100 28 285°	
58	Stoney Cross N50°54'40/.667 W01°39'29/.486	384 117		120.75 5.025 252.55 41.00	073°·06 5800 24·253° 192° 18 4800 36 012°	
30	Tangmere N50°50'44/.744 W00°42'06/.113	48 15		119.30 4.300 251.10 39.55	072° 06 5700 24 252° 162°·03 4400 21·332°	
41	West Malling N51°16'13/.221 E00°24'16/.281	305 93		119.90 4.600 251.70 40.15	074° 15 5700 33 254°	

Adjust the above magnetic headings when operating in the following years (expect 1-2 degrees of error):

1935-1941 +1°	1942-1950 0°	1951-1959 -1°	1960-1971 -2°	1972-1979 -3°	1980-1985 -4°
1986-1995 -5°	1996-2001 -6°	2002-2009 -7°	2010-2016 -8°	2017-2020 -9°	2021-2026 -10°

France A-C

75	Abbeville Drucat LFOI	217		118.05 5.500	027° 02 5200 20 207°	
	N50°08'17/.286 E01°50'16/.271	66		253.50 41.90	093° 09 5200 27 273°	
					135° 11 5200 29 315°	
59	Amiens-Glisy	216		120.80 5.050	049° 04 5100 22 229°	
	N49°52'17/.290 E02°23'30/.513	66		252.60 38.40	120° 11 5100 29 300°	
32	Argentan	640		119.40 4.350	127° 12 3800 30 307°	
	N48°46'07/.126 W00°01'49/.826	195		251.20 39.65		
65	Avranches Le Val-Saint-Pere	47		121.15 5.225	137° 13 3800 31 317°	
	N48°40'05/.091 W01°22'50/.837	14		252.95 41.35		
15	Azeville A-7	75		118.35 3.875	080° 07 3600 25 260°	
	N49°28'51/.859 W01°19'03/.057	23		250.25 38.70		
34	Barville	463		119.50 4.400	105° 10 4000 28 285°	
	N48°28'48/.807 E00°18'50/.837	141		251.30 39.75	156° 15 4100 33 336°	
20	Bazenville B-2	200		118.70 4.025	063° 05 5400 23 243°	
	N49°18'14/.236 W00°33'53/.884	61		250.55 39.00		
67	Beaumont-le-Roger	489		121.25 5.275	060° 05 2900 23 240°	
	N49°05'46/.780 E00°47'48/.814	149		253.05 41.45	092° 08 2400 26 272°	
					150° 13 2600 31 330°	
44	Beauvais-Tille	331		120.05 4.675	046° 04 5500 22 226°	
	N49°27'14/.249 E02°06'47/.792	101		251.85 40.30	128° 12 5300 30 308°	
22	Beny-sur-Mer B-4	199		118.80 4.075	181° 17 4200 35 001°	
	N49°17'52/.878 W00°25'35/.597	61		250.65 39.10		
69	Bernay Saint Martin	512		121.35 5.325	189° 18 3500 36 009°	
	N49°06'15/.264 E00°35'54/.905	156		253.15 41.55		
14	Beuzeville A-6	114		118.30 3.850	059° 05 4300 23 239°	
	N49°25'13/.231 W01°17'54/.913	35		250.20 38.65		
10	Biniville A-24	107		118.00 3.750	150° 14 3500 32 330°	
	N49°26'12/.202 W01°28'08/.138	32		250.00 38.45		
68	Broglie	595		121.30 5.300	127° 12 3700 30 307°	
	N49°00'56/.939 E00°29'55/.932	181		253.10 41.50		
5	Brucheville A-16	46		120.85 5.075	076° 07 4800 28 256°	
	N49°22'06/.111 W01°12'58/.976	14		252.65 41.05		
19	Carpiquet B-17	187		118.60 3.975	133° 12 5100 30 313°	
	N49°10'30/.507 W00°27'16/.268	57		250.45 38.90		
11	Cardonville A-3	102		118.10 3.775	164° 15 4800 33 344°	
	N49°21'03/.060 W01°03'03/.060	31		250.05 38.50		
13	Chippelle A-5	125		118.20 3.825	070° 06 4900 24 250°	
	N49°14'30/.513 W00°58'17/.299	38		250.15 38.60		
40	Conches	541		119.85 4.575	052° 04 5100 22 232°	
	N48°56'05/.086 E00°57'40/.676	165		251.65 40.10		
45	Cormeilles-en-Vexin	312		120.10 4.700	048° 04 5300 22 228°	
	N49°05'35/.594 E02°02'07/.124	95		251.90 40.35	122° 11 5200 29 302°	
46	Creil	269		120.15 4.725	069° 15 7600 33 249°	
	N49°15'12/.208 E02°31'08/.136	82		251.95 40.40	138° 13 4000 31 318°	
3	Cretteville A-14	95		119.80 4.550	140° 13 4800 31 320°	
	N49°20'11/.194 W01°22'45/.761	29		251.60 40.05		
7	Cricqueville-en-Bessin A-2	81		121.70 5.625	183° 17 4900 35 003°	
	N49°21'52/.872 W01°00'24/.414	25		253.75 42.15		

GREEN BACKGROUND: AERODROME LOCATED IN THE WESTERN CLUSTER

Adjust the above magnetic headings when operating in the following years (expect 1-2 degrees of error):

1935-1941 +1°	1942-1950 0°	1951-1959 -1°	1960-1971 -2°	1972-1979 -3°	1980-1985 -4°
1986-1995 -5°	1996-2001 -6°	2002-2009 -7°	2010-2016 -8°	2017-2020 -9°	2021-2026 -10°

France

D—P

62	Deauville	459	DAMAGED, LANDABLE	121.00 5.150	125° 12 3500 30 305°	
	N49°21'51/.855 E00°09'26/.434	140		252.80 41.20		
12	Deux Jumeaux A-4	124		118.15 3.800	115° 10 4800 28 295°	
	N49°20'50/.838 W00°58'50/.849	38		250.10 38.55		
49	Dinan-Trelivan	377		120.30 4.800	081° 07 2800 25 261°	
	N48°26'36/.602 W02°06'11/.187	115		252.10 40.55		
79	Dunkirk-Mardyck	26		132.45 5.600	088° 08 4000 26 268°	
	N51°01'49/.822 E02°15'25/.418	8		253.70 42.10	2000 ft PAVED + 2000 ft GRASS	
35	Essay	507		119.55 4.425	104° 09 3500 27 284°	
	N48°31'14/.235 E00°15'27/.461	155		251.35 39.80		
26	Evreux	423		119.00 4.175	044° 21 4800 35 224°	
	N49°01'25/.426 E01°12'47/.789	129		250.85 39.30	173° 16 5000 34 353°	
51	Fecamp-Benouville	295		120.40 4.850	189° 18 3600 36 009°	
	N49°44'46/.776 E00°21'21/.365	90		252.20 40.65		
64	Flers	661	BUMPY, UNEVEN	121.10 5.200	063° 05 3800 23 243°	
	N48°44'57/.952 W00°35'44/.737	202		252.90 41.30		
33	Goulet	617		119.45 4.375	036° 21 3700 35 216°	
	N48°44'58/.979 W00°06'41/.688	188		251.25 39.70		
47	Guyancourt	525		120.20 4.750	051° 04 2900 22 231°	
	N48°45'31/.523 E02°04'47/.794	160		252.00 40.45	082° 07 2400 25 262°	
					142° 13 2600 31 322°	
36	Hauterive	476		119.60 4.450	151° 15 3700 32 331°	
	N48°29'59/.995 E00°12'00/.004	145		251.40 39.85		
25	Lantheuil B-9	175		118.95 4.150	070° 06 3800 24 250°	
	N49°16'17/.286 W00°32'18/.304	53		250.80 39.25		
17	Le Molay A-9	105		118.50 3.925	051° 04 4400 22 231°	
	N49°15'41/.691 W00°52'54/.900	32		250.35 38.80		
8	Lessay A-20	66		121.85 5.725	073° 06 4800 24 253°	
	N49°12'05/.096 W01°30'07/.133	20		253.95 42.35	134° 12 5800 30 314°	
2	Lignerolles A-12	405		119.20 4.275	120° 11 4800 29 300°	
	N49°10'30/.513 W00°47'21/.361	123		251.05 39.50		
18	Longues-sur-Mer B-11	225		118.55 3.950	130° 12 4300 30 310°	
	N49°20'34/.573 W00°42'21/.357	69		250.40 38.85		
48	Lonrai	515		120.25 4.775	069° 06 4700 24 249°	
	N48°28'03/.060 E00°02'14/.242	157		252.05 40.50		
4	Maupertus A-15	441		120.35 4.825	111° 10 4800 28 291°	
	N49°38'59/.987 W01°28'01/.017	134		252.15 40.60		
6	Meautis A-17	83		121.40 5.350	090° 08 4400 26 270°	
	N49°16'59/.990 W01°18'00/.014	25		253.20 41.60		
77	Merville Calonne LFQT	131		121.60 5.550	042° 04 5000 22 222°	
	N50°36'50/.836 E02°38'13/.218	40		253.60 42.00	082° 18 5000 36 262°	
					145° 14 5000 32 325°	
57	Orly	272		120.70 5.000	022° 01 3600 19 202°	
	N48°44'06/.108 E02°23'30/.508	83		252.50 40.95	076° 07 3600 25 256°	
16	Picauville A-8	73		118.40 3.900	120° 11 4400 29 300°	
	N49°23'46/.782 W01°24'40/.669	22		250.30 38.75		
56	Poix	547		120.65 4.975	047° 04 5100 22 227°	
	N49°49'07/.130 E01°58'38/.636	167		252.45 40.90	098° 09 5100 27 278°	

Adjust the above magnetic headings when operating in the following years (expect 1-2 degrees of error):

1935-1941 +1°	1942-1950 0°	1951-1959 -1°	1960-1971 -2°	1972-1979 -3°	1980-1985 -4°
1986-1995 -5°	1996-2001 -6°	2002-2009 -7°	2010-2016 -8°	2017-2020 -9°	2021-2026 -10°

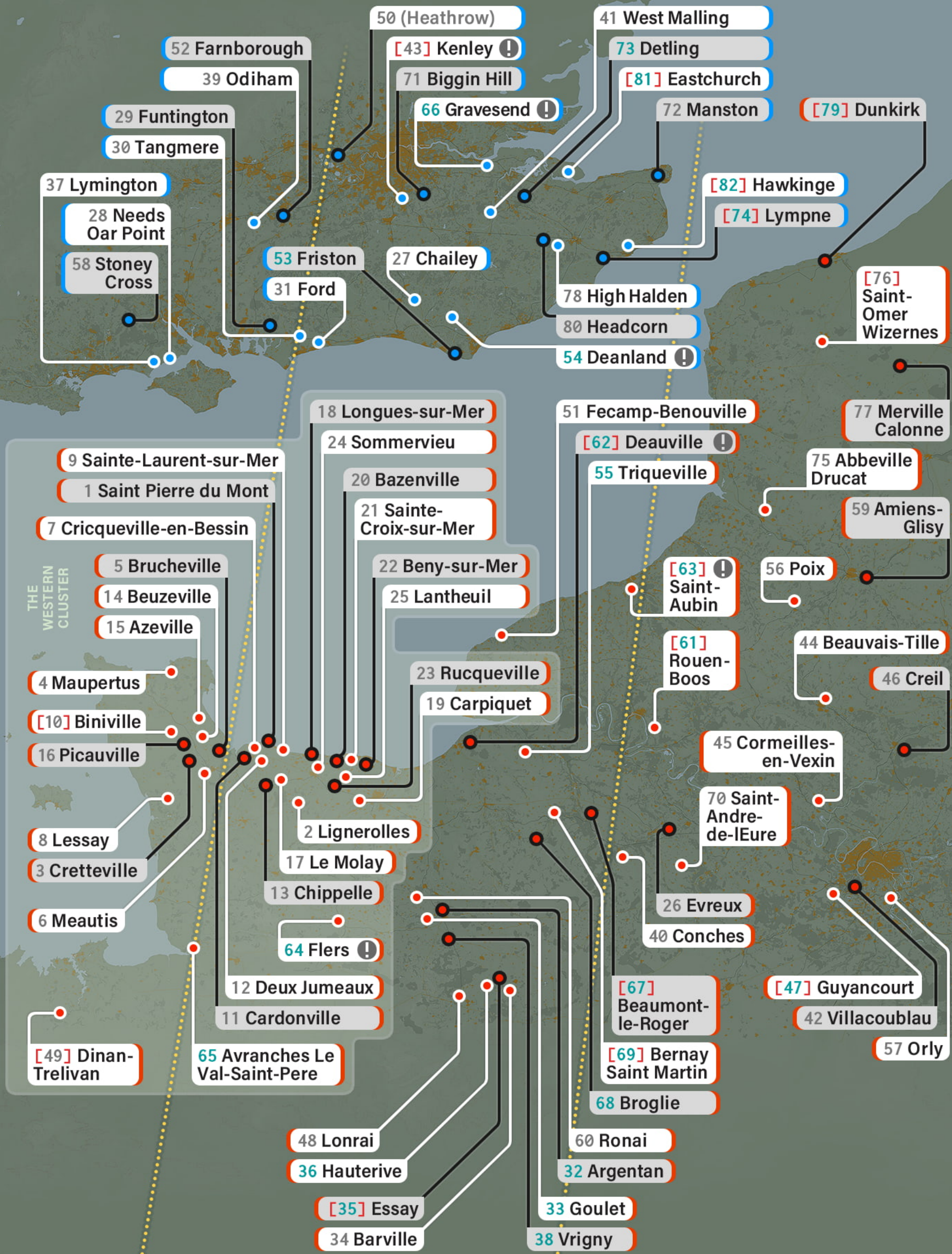
France R-V

60	Ronai	860		120.90 5.100	083° 07 4100 25 263°	✕
	N48°49'24/.403 W00°09'40/.673	262		252.70 41.10	134°·12 4500 30·314°	
61	Rouen-Boos	493		120.95 5.125	047° 04 3500 22 227°	✎
	N49°23'13/.232 E01°10'44/.737	150		252.75 41.15		
23	Rucqueville B-7	193		118.85 4.100	100° 09 4700 27 280°	—
	N49°15'05/.085 W00°34'49/.819	59		250.70 39.15		
1	Saint Pierre du Mont A-1	103		118.65 4.000	102° 09 4900 27 282°	—
	N49°23'25/.430 W00°57'25/.425	31		250.50 38.95		
70	Saint-Andre-de-l'Eure	473		121.45 5.375	058° 05 5000 23 238°	↘
	N48°53'28/.475 E01°16'05/.099	144		253.25 41.65	136°·13 5000 31·316°	
63	Saint-Aubin	312	DAMAGED, LANDABLE	121.05 5.175	133° 12 3500 31 313°	✎
	N49°53'06/.100 E01°04'/49.825	95		252.85 41.25		
76	Saint-Omer Wizernes LFQN	213		121.55 5.525	039° 03 1700 21 219°	✎
	N50°43'43/.729 E02°13'55/.932	65		253.55 41.95	099°·09 2000 27·279°	
21	Sainte-Croix-sur-Mer B-3	160		118.75 4.050	100° 09 4500 27 280°	—
	N49°19'13/.216 W00°31'02/.035	49		250.60 39.05		
9	Sainte-Laurent-sur-Mer A-21	62		121.90 5.750	117° 11 4800 29 297°	↘
	N49°21'52/.867 W00°52'24/.409	19		254.00 42.40		
24	Sommervieu B-8	187		118.90 4.125	096° 09 4500 27 276°	—
	N49°18'00/.013 W00°40'15/.257	57		250.75 39.20		
55	Triqueville	404		120.60 4.950	168° 15 3800 34 348°	↘
	N49°20'10/.172 E00°27'29/.496	123		252.40 40.85		
42	Villacoublay	558		119.95 4.625	131° 12 3900 30 311°	↘
	N48°46'02/.040 E02°12'18/.300	170		251.75 40.20		
38	Vrigny	581		119.70 4.500	145° 14 3800 32 325°	↘
	N48°40'20/.336 W00°00'07/.129	180		251.50 39.95		



Adjust the above magnetic headings when operating in the following years (expect 1-2 degrees of error):

1935-1941 +1°	1942-1950 0°	1951-1959 -1°	1960-1971 -2°	1972-1979 -3°	1980-1985 -4°
1986-1995 -5°	1996-2001 -6°	2002-2009 -7°	2010-2016 -8°	2017-2020 -9°	2021-2026 -10°



A—L

22	Abu Dhabi Intl OMAA	92	114.25	119.20	4.050	127°•13L 13100 31R•307°	≡
AE	N24°27'13/.222 E54°39'15/.255	28		250.55	39.00	127° 13R 13200 31L 307°	≡
1	Abu Musa Island OIBA	16	CONTESTED	122.90	3.975	082° 08 7800 26 262°	—
	N25°52'33/.560 E55°01'58/.975	5	TERRITORY	250.40	38.85		—
25	Al Ain Intl OMAL	814	112.60	119.85	4.125	006° 01 12800 19 186°	/
AE	N24°15'41/.685 E55°36'33/.555	249		250.70	39.15		/
4	Al Dhafra AFB OMAM	52	96X	126.50	4.300	126°•13L 11700 31R•306°	≡
AE	N24°14'53/.892 E54°32'51/.859	16	114.90	251.10	39.50	109.10^ ^111.10 LOC CRS:306° LOC CRS:126° NO G/S NO G/S	≡
For a proper (headwind) ILS approach, set the course to the reciprocal of the runway heading as shown. LOC can be erratic. No G/S.						126° 13R 11700 31L 306° ILS^ ^ILS	≡
6	Al Maktoum Intl OMDW	125		118.60	4.350	120° 12 14400 30 300°	/
AE	N24°53'49/.823 E55°09'36/.614	39		251.20	39.60	111.75^ ^109.75	/
12	Al Minhadd AFB OMDM	190	99X	118.55	3.800	088° 09 12600 27 268°	—
AE	N25°01'36/.612 E55°21'56/.945	58		250.10	38.50	110.70^ ^110.75	—
23	Al-Bateen OMAD	13	114.00	119.90	4.075	127° 13 7000 31 307°	/
AE	N24°25'41/.684 E54°27'30/.514	4	NO DME	250.60	39.05		/
2	Bandar Abbas Intl OIKB	20	78X	118.10	4.250	025° 03L 11000 21R 205°	≡
IR	N27°13'03/.060 E56°22'44/.737	6	117.20 250	251.00	39.40	025°•03R 11700 21L•205° ^109.90	≡
3	Bandar Lengeh OIBL	82	114.80	121.70	4.275	079° 08 7900 26 259°	—
IR	N26°31'56/.935 E54°49'28/.480	25	408	251.05	39.45		—
21	Bandar-e-Jask OIZJ	26	110X 349	118.15	4.025	059° 06 7300 24 239°	/
IR	N25°39'16/.280 E57°48'05/.086	8	116.30	250.50	38.95		/
5	Dubai Intl OMDB	16		118.75	4.325	120°•12L 11400 30R•300°	≡
AE	N25°15'22/.382 E55°21'54/.915	5		251.15	39.55	110.10^ ^110.90 120° 12R 11400 30L 300° ILS^ ^ILS	≡
7	Fujairah Intl OMFJ	121	113.80	124.60	4.375	111° 11 9700 29 291°	▲
AE	N25°06'39/.656 E56°19'38/.640	37		251.25	39.65	^111.50	▲
9	Havadarya OIKP	52	47X	123.15	4.400	077° 08 7200 26 257°	—
IR	N27°09'29/.493 E56°10'19/.321	16		251.30	39.70	108.90^	—
27	Jiroft OIKJ	2664	276	136.00	4.175	125° 13 9600 31 305°	▲
IR	N28°43'24/.410 E57°40'30/.505	812		250.85	39.25		▲
18	Kerman OIKK	5745	97X	118.25	3.925	155° 16 12400 34 335°	▲
IR	N30°16'23/.386 E56°57'05/.093	1751	112.00	250.30	38.75		▲
10	Khasab OOKB	102		124.35	3.750	012° 01 8000 19 192°	▲
OM	N26°10'11/.190 E56°14'24/.410	31		250.00	38.40	^^ NO LAND ^110.30 MOUNTAINS: EAST, SOUTH, WEST	▲
24	Kish Intl OIBK	115	112X 201	121.65	4.100	094°•10 11700 28• 274°	≡
IR	N26°31'41/.688 E53°58'51/.862	35	117.40	250.65	39.10	• TALL BUILDING ^^ RWY10-28 PAINTED AS 09L-27R 094° 09R 11700 27L 274°	≡
11	Lar OISL	2635	117.90	127.35	3.775	088° 09 10100 27 268°	▲
IR	N27°40'29/.483 E54°22'59/.988	804	224	250.05	38.45		▲
26	Lavan Island OIBV	75	116.85	128.55	4.150	110° 11 8600 29 290°	/
IR	N26°48'39/.666 E53°21'11/.197	23	310	250.75	39.20		/
29	Liwa AFB OMLW	400	121X	119.30	4.225	130° 13 11600 31 310°	/
AE	N23°39'02/.046 E53°49'27/.465	122	117.40	250.95	39.35		/

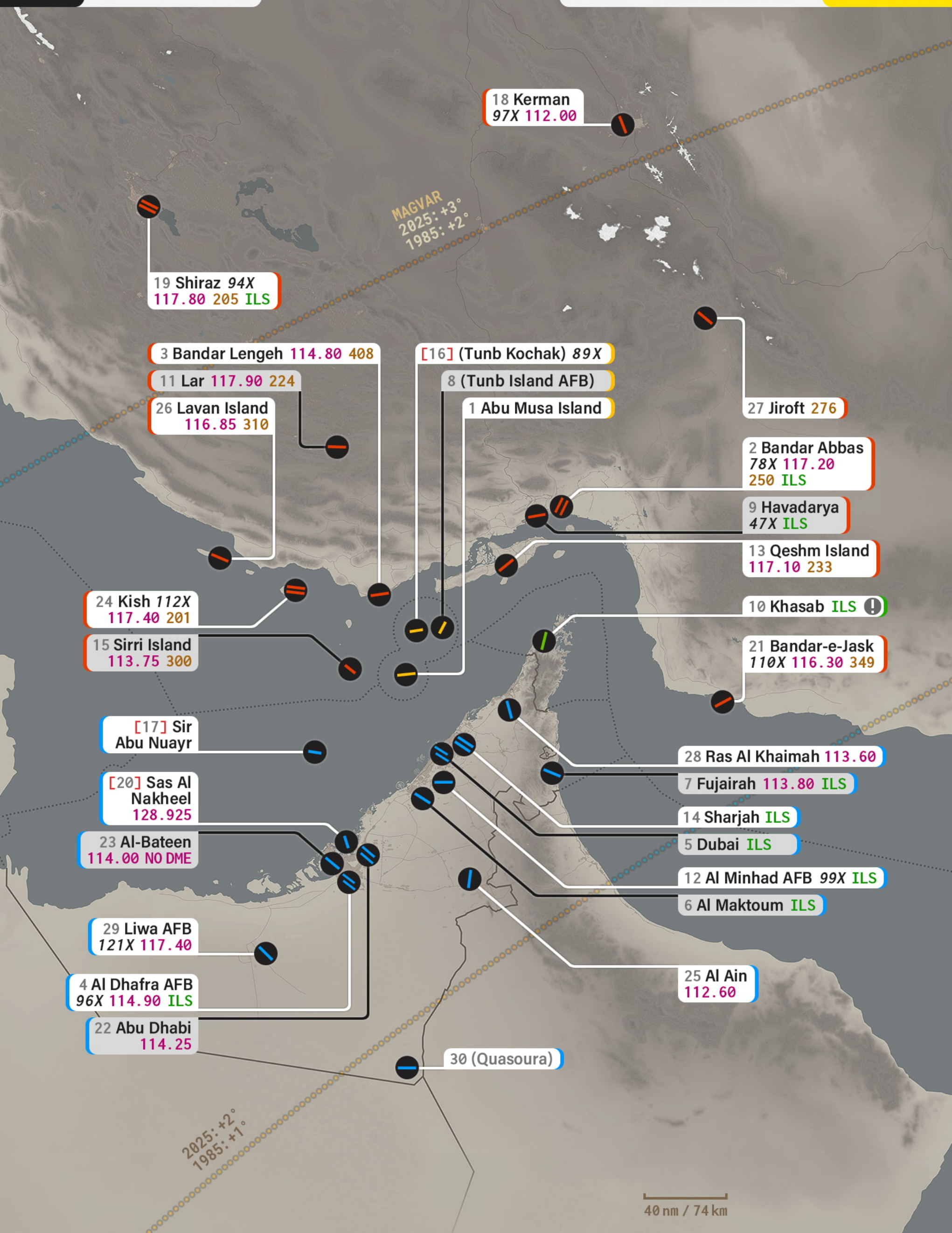
Add one degree to the above magnetic headings when operating anytime before the year 2005

Q-T

13	Qeshm Island OIKQ	26	117.10	118.05	3.825	047° 05	13600	23	227°	/
IR	N26°45'16/.280 E55°54'08/.143	8	233	250.15	38.55					
30	Quasoura Qusahwira Air Base	330		CLOSED, NO ATC		088° 09	9600	27	268°	—
AE	N22°46'33/.565 E55°03'47/.795	100								
28	Ras Al Khaimah Intl OMRK	72	113.60	121.60	4.200	163° 17	12000	35	343°	/
AE	N25°36'48/.810 E55°56'19/.327	22		250.90	39.30				RWY17-35 PAINTED AS 16-34	
20	Sas Al Nakheel OMNK	10	128.925	128.90	4.000	160° 16	6000	34	340°	□
AE	N24°26'27/.466 E54°31'01/.021	3		250.45	38.90					
14	Sharjah Intl OMSJ	98		118.60	3.850	121°•12L	10500	30R•301°		
AE	N25°19'50/.840 E55°31'05/.095	30		250.20	38.60	108.55^		^111.95		
						121° 12R	10700	30L 301°		
19	Shiraz Intl OISS	4879	94X	121.90	3.950	113°•11L	14000	29R•293°		▲
IR	N29°32'27/.454 E52°35'27/.464	1488	117.80	250.35	38.80	113° 11R	13800	29L 293°		▲
			205					^108.50		▲
17	Sir Abu Nuayr OMSN	26		118.00	3.900	097° 10	2300	28	277°	□
AE	N25°13'00/.012 E54°14'01/.018	8		250.80	38.70					
15	Sirri Island OIBS	20	113.75	135.05	3.875	125° 12	7900	30	305°	/
IR	N25°54'34/.576 E54°32'21/.355	6	300	250.25	38.65					
8	Tunb Island AFB OIGI	43	CONTESTED TERRITORY	NO ATC		025° 03	6200	21	205°	/
	N26°15'31/.533 E55°18'56/.946	14								
16	Tunb Kochak OITK	16	89X	NO ATC		079° 08	2500	26	259°	□
	N26°14'35/.599 E55°08'44/.734	5	CONTESTED TERRITORY							



Add one degree to the above magnetic headings when operating anytime before the year 2005



A—B

26	Abu Rudeis HE29	40		118.50 4.200	127° 13 6300 31 307°	—
EG	N28°53'58/.972 E33°12'08/.139	12		250.90 39.30		
2	Abu Suwayr HE35	19		118.85 4.300	086° 09 9400 27 266°	—
EG	N30°34'31/.526 E32°05'46/.779	6		251.10 39.50	^109.95	—
					107°•11 9400 29• 287°	
44	Al Bahr al Ahmar HE26	1165		119.50 4.700	142°•14L 9600 32R•322°	—
EG	N26°33'26/.443 E33°07'21/.365	355		251.90 40.30	142° 14R 9600 32L 322°	—
4	Al Ismailiyah HE44	11		118.10 4.750	124° 13 10100 31 304°	—
EG	N30°35'55/.929 E32°14'04/.074	4		252.00 40.40	^110.30	—
31	Al Khatatbah HELIPORT	46		118.95 4.350	026° 02L 600 20R 206°	—
EG	N30°18'44/.742 E30°52'27/.466	14		251.20 39.60	026° 02R 1000 20L 206°	—
					116°•11L 1100 29R•296°	—
14	Al Mansurah HE32	7		118.25 3.875	135°•14 9300 32• 315°	—
EG	N30°57'54/.911 E31°25'53/.889	2		250.25 38.65	161° 17 8700 35 341°	—
32	Al Rahmaniyah Air Base HE0P	10		119.05 4.375	155° 16 8300 34 335°	—
EG	N31°02'36/.603 E30°39'51/.862	3		251.25 39.65		—
3	As Salihyah HE39	13		119.35 4.575	013°•02L 9600 20R•193°	—
EG	N30°47'42/.704 E32°02'33/.550	4		251.65 40.05	110.70^	—
					013° 02R 9600 20L 193°	—
15	AzZaqaziq	7		118.30 3.900	178° 18L 9600 36R 358°	—
EG	N30°35'41/.688 E31°39'52/.874	2		250.30 38.70	178°•18R 9600 36L•358°	—
27	Baluza HE22	120		118.75 4.225	071° 07 5800 25 251°	—
EG	N30°59'59/.985 E32°33'07/.130	37		250.95 39.35	UNEVEN RWY	—
24	Ben-Gurion LLBG	99	82X	134.60 4.150	023°•03 8800 21• 203°	—
IL	N32°00'25/.419 E34°53'35/.584	30	113.50	250.80 39.20	^109.70	—
					074° 08 9700 26 254°	—
					110.90^	—
					115° 12 9700 30 295°	—
					110.30^	—
					^111.90	—
33	Beni Suef HEBS	98		127.10 4.400	052° 05 9400 23 232°	—
EG	N29°11'52/.871 E31°01'08/.138	30		251.30 39.70	185°•18L 11300 36R•XXX°	—
					185° 18R 11400 36L XXX°	—
16	Bilbeis Air Base HE37	92		118.35 3.925	040° 04 11100 22 220°	—
EG	N30°23'55/.916 E31°36'26/.434	28		250.35 38.75	091° 09 4600 27 271°	—
					089° 09R 8000 27L 269°	—
					165°•17L 9500 35R•345°	—
					^108.30	—
					165° 17R 4700 35L 345°	—
28	Bir Hasanah	1225		118.80 4.250	115° 12 9600 30 295°	—
EG	N30°11'40/.676 E33°24'46/.768	373		251.00 39.40		—
34	Birma Air Base HE16	20		119.15 4.425	140°•14L 9300 32R•320°	—
EG	N30°50'13/.221 E30°56'09/.159	6		251.35 39.75	140° 14R 9400 32L 320°	—
35	Borg El Arab Intl HEBA	85	115.90	119.10 4.450	140° 14L 10900 32R 320°	—
EG	N30°55'00/.011 E29°41'38/.633	26		251.40 39.80	273<563	—
					^111.30	—
					140°•14R 10900 32L•320°	—

GREEN BACKGROUND: AERODROME LOCATED WEST OF THE SUEZ CANAL

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1945 +6° 1946–1958 +5° 1959–1973 +4° 1974–1984 +3°

1985–2005 +2° 2006–2016 +1° 2017–2030 0°

C–K

17	Cairo International Airport HECA	394	110X	118.10	3.950	045° 05L 10600 23R 225°	
EG	N30°06'32/.538 E31°26'05/.092	120	310 490 23R: 112.50 05C: 115.20	250.40	38.80	110.90^ ^110.30 045° 05C 12800 23C 225° 109.90^ ^109.50 045° 05R 12800 23L 225° 108.90^ ^108.70	≡
18	Cairo West HECW	440	114X	131.20	3.975	102° 10 9700 28 282°	
EG	N30°06'30/.501 E30°53'44/.737	134		250.45	38.85	162° 16L 9600 34R 342° SPHINX INTL: 162° 16R 11700 34L 342° • TALL^^^BLDGS ^111.50	✈
48	Damascus Intl OSDI	2006	116.00	118.50	4.025	041° 05L 11500 23R 221°	
SY	N33°25'32/.533 E36°31'05/.098	611	05R: 264 23R: 342	226.10	40.95	^109.90 041° 05R 11500 23L 221° 111.10^	/
1	Difarsuwar Airfield	7		118.45	4.025	086° 09 1200 27 266°	
EG	N30°25'32/.543 E32°20'07/.122	2		250.55	38.95	176° 18 1700 36 356°	L
29	El Arish HEAR	232	113.60	121.00	4.275	152° 16L 9600 34R 332°	
EG	N31°04'24/.400 E33°50'08/.147	71		251.05	39.45	152° 16R 9500 34L 332°	/
	RWY 16R–34L: N31°02'16/.271 E33°49'08/.145	311 95					/
30	El Gora HEGR	423		118.20	4.325	070° 08 7000 26 250°	x x x
EG	N31°04'22/.380 E34°08'54/.901	129		251.15	39.55	NARROW RWY: 90ft	/
36	El Minya HEMN	125		119.20	4.475	153° 16L 9600 34R 333°	
EG	N28°06'03/.064 E30°43'46/.778	38		251.45	39.85	153° 16R 9600 34L 333°	//
6	Fayed	28		119.70	4.800	086° 09 9600 27 266°	
EG	N30°19'44/.744 E32°16'02/.048	8		252.10	40.50	^110.15	x x x
37	Gebel El Basur Air Base HE28	79		119.25	4.500	149° 15 9700 33 329°	
EG	N30°32'17/.292 E30°33'09/.160	24		251.50	39.90	182° 18 10300 36 002°	✈
7	Hatzerim LLHB	687	96X	119.75	4.825	099° 10L 7600 28R 279°	
IL	N31°14'19/.316 E34°39'30/.510	209	114.90	252.15	40.55	099° 10R 9300 28L 279° ^111.30 138° 15 5400 33 318°	✈
20	Hatzor LLHS	100	106X	118.55	4.050	048° 05 7600 23 228°	
IL	N31°45'37/.627 E34°43'31/.520	31	115.90	250.60	39.00	108.50^ 106° 11L 7700 29R 286° 106° 11R 7900 29L 286°	✈
38	Hurghada Intl HEGN	43	116.50	119.60	4.525	160° 16L 11800 34R 340°	
EG	N27°10'35/.586 E33°47'30/.501	13		251.55	39.95	^110.30 160° 16R 12800 34L 340°	//
19	Inshas Airbase HE12	155		118.40	4.000	043° 04 8200 22 223°	
EG	N30°19'47/.791 E31°26'52/.866	47		250.50	38.90	^111.35 087° 09 8200 27 267°	✈
39	Jiyanklis Air Base HEGS	26		119.30	4.550	109° 11 9200 29 289°	
EG	N30°49'20/.337 E30°11'32/.544	8		251.60	40.00	120° 12 9200 30 300°	//
12	Kedem	640		118.15	3.825	098° 10 6000 28 278°	
IL	N31°15'38/.636 E34°38'23/.396	195		250.15	38.55		✈
11	Kibrit Air Base HE34	13	55X	118.05	3.800	131° 14L 8500 32R 311°	
EG	N30°14'36/.611 E32°29'28/.470	4		250.10	38.50	131° 14R 8500 32L 311°	//
40	Kom Awshim HE30	7		119.40	4.600	149° 15 7500 33 329°	
EG	N29°33'12/.216 E30°53'36/.609	2		251.70	40.10	159° 16 7500 34 339°	//

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1945 +6° 1946–1958 +5° 1959–1973 +4° 1974–1984 +3°
1985–2005 +2° 2006–2016 +1° 2017–2030 0°

M–T

5	Melez HE36	1004	115.65	119.65	4.775	142° 15L 9800 33R 322°	
EG	N30°24'35/.595 E33°08'59/.984	306		252.05	40.45	142° 15R 7900 33L 322°	
49	Mezzeh Air Base OS67	2392	358	126.00	4.450	053° 06 8800 24 233°	
SY	N33°28'39/.659 E36°13'25/.416	729		227.20	41.35	MOUNTAINS: NORTH, WEST	
8	Nevatim LLNV	1318		132.40	4.850	071° 07 12200 25 251°	
IL	N31°12'30/.500 E35°00'43/.724	402		252.20	40.60	071° 08L 8200 26R 251° 071° 08R 10700 26L 251°	
10	Ovda LLOV	1438	88X	129.90	3.775	016° 03L 8300 21R 196°	
IL	N29°56'26/.448 E34°56'02/.047	438	114.10	250.05	38.45	016° 03R 9600 21L 196°	
21	Palmachim LLPL	33		118.60	4.075	019° 03L 3000 21R 199°	
IL	N31°54'06/.106 E34°41'34/.571	10		250.65	39.05	019° 03R 7600 21L 199°	
45	Quwaysina HE42	33		119.55	4.725	162° 16 8900 34 342°	
EG	N30°34'44/.739 E31°07'44/.742	10		251.95	40.35		
46	Rafic Hariri Intl OLBA	20	112.60	NO ATC		026° 03 7000 21 206°	
LB	N33°49'28/.468 E35°28'59/.993	6	312			110.70^ 160° 16 10000 34 340° 110.10^ 170° 17 7600 35 350° MOUNTAINS: SOUTH-EAST, SOUTH	
50	Ramat David LLRP	100	84X	118.00	3.750	080° 09 7500 27 260°	
IL	N32°39'59/.987 E35°11'02/.045	31	113.70	251.10	38.40	102° 11 7600 29 282° 138° 15 7600 33 318°	
9	Ramon Airbase LLRM	2031	105X	119.80	4.875	061° 07L 8600 25R 241°	
IL	N30°46'39/.654 E34°39'58/.968	619	115.80	252.25	40.65	061° 07R 9600 25L 241°	
41	Ramon Intl LLER	226	113.85	119.00	4.625	008° 01 11500 19 188°	
IL	N29°43'37/.621 E35°00'50/.841	69		251.75	40.15	008° 01 11500 19 188° MOUNTAINS: EAST; HILLS: WEST	
22	Sde Dov LLSD	20		118.65	4.100	022° 03 4500 21 202°	
IL	N32°06'52/.880 E34°46'56/.936	6		250.70	39.10		
42	Sharm El Sheikh Intl HESH	98	114.20	118.90	4.650	037° 04L 9800 22R 217°	
EG	N27°58'43/.723 E34°23'35/.596	30	335	251.80	40.20	037° 04R 9800 22L 217°	
25	St Catherine HESC	4256		121.90	4.175	166° 17 6700 35 346°	
EG	N28°41'06/.110 E34°03'45/.757	1297		250.85	39.25	HILLS: SOUTH, SOUTH-WEST	
47	Tabuk OETB	2543	104X	125.90	4.225	059° 06L 10600 24R 239°	
SA	N28°22'30/.515 E36°38'09/.152	775	115.70	229.40	42.15	126° 13 8700 31 306°	
	RWY06R-24L is closed and used as a taxiway					ILS^ • 400ft TOWER	
23	Tel Nof LLEK	142	87X	118.70	4.125	145° 15L 7600 33R 325°	
IL	N31°50'09/.159 E34°49'04/.069	42		250.75	39.15	145° 15R 7600 33L 325° 177° 18 7600 36 357° ^109.10	

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1945 +6° 1946–1958 +5° 1959–1973 +4° 1974–1984 +3°

1985–2005 +2° 2006–2016 +1° 2017–2030 0°

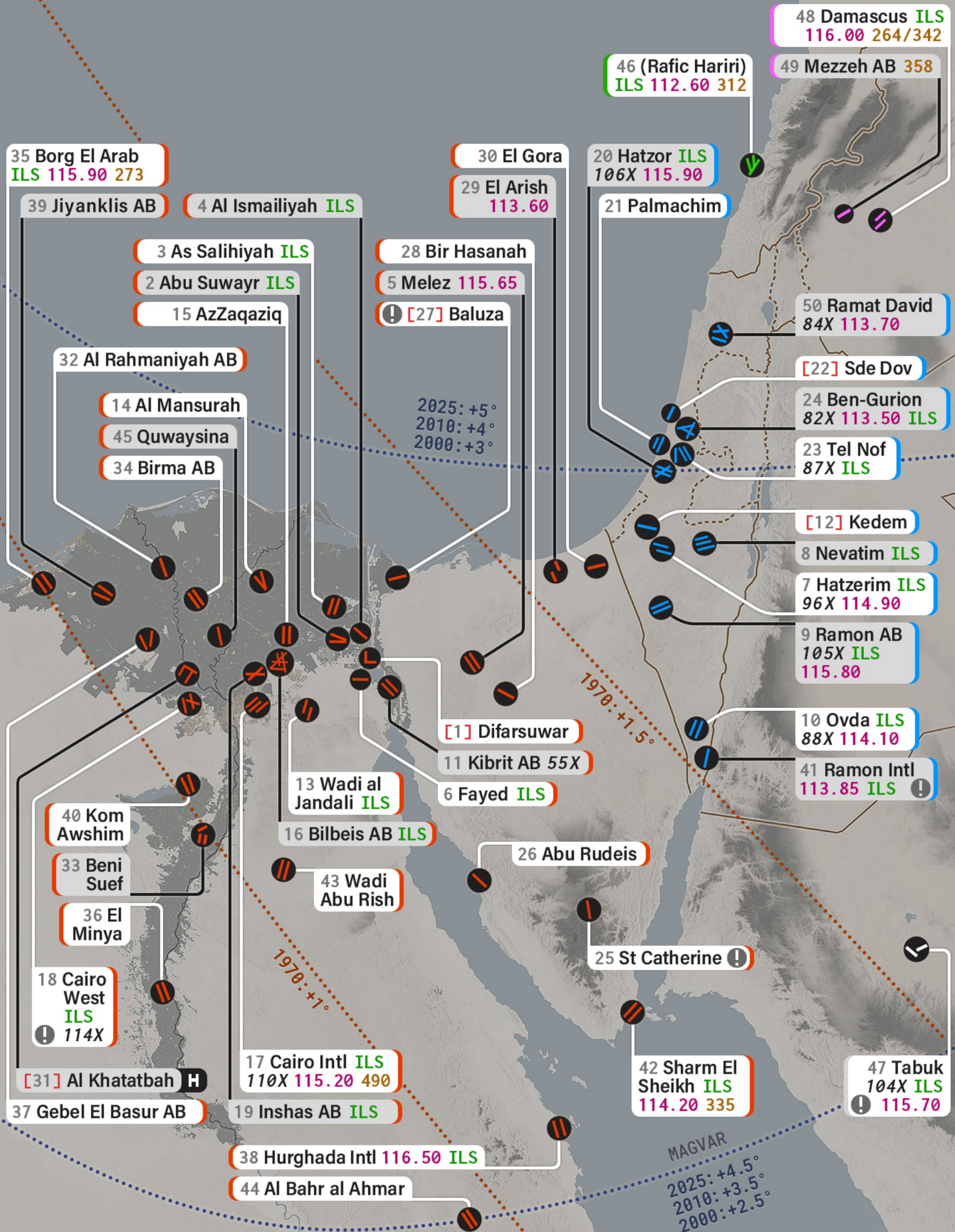
W

43	Wadi Abu Rish	HE38	945	119.45	4.675	010° 01L 12800 19R 190°	//
EG	N28°58'15/.260	E31°41'55/.920	288	251.85	40.25	ILS^ 010°•01R 12800 19L•190°	
13	Wadi al Jandali	HECP	756	118.90	3.850	CAPITAL INTL:	/
EG	N30°04'21/.352	E31°49'59/.997	230	250.20	38.60	011°•01L 11700 19R•191° 109.70^ 011° 01R 10200 19L 191°	



Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1945 +6° 1946–1958 +5° 1959–1973 +4° 1974–1984 +3°
1985–2005 +2° 2006–2016 +1° 2017–2030 0°



Falkland Islands

23	Goose Green	61		126.00	4.075	136°	14	2000	32	316°	
FK	S51°49'11/.188 W58°58'48/.810	19		250.65	39.05						
28	Gull Point	30		NO ATC		033°	04	1200	22	213°	
FK	S52°10'45/.763 W58°51'38/.641	10				149°	15	1500	33	329°	
2	Mount Pleasant EGYPT	243	59X 380	133.35	4.150	051°	05	4800	23	231°	
FK	S51°49'14/.240 W58°27'27/.464	74	NO DME 114.70	250.80	39.20	101°	10	8100	28	281°	
									111.90		
1	Port Stanley SFAL	69	305 NO DME	118.10	3.975	086°	09	4400	27	266°	
FK	S51°41'09/.154 W57°46'40/.670	21	113.30	250.45	38.85						
3	San Carlos FOB	68		134.35	4.175	105°	11	1100	27	285°	
FK	S51°30'04/.077 W59°00'17/.294	21		250.85	39.25			STEEL MATS			

Mainland / A-P

18	Almirante Schroeders SCDW	161		NO ATC		028°	04	3700	22	208°	
CL	S53°36'47/.784 W70°28'30/.512	49				114°	12	4700	30	294°	
15	Comandante Luis Piedrabuena	70		122.10	3.900	070°	08	3700	26	250°	
AR	S49°59'41/.700 W68°57'05/.084	22		250.30	38.70						
27	Cullen	135		CLOSED, NO ATC		051°	07	3800	26	231°	
AR	S52°53'06/.111 W68°24'45/.751	41									
13	El Calafate SAWC	667	114.70	119.95	3.850	061°	07	8300	25	241°	
AR	S50°16'48/.814 W72°03'09/.164	204		250.20	38.60				108.90		
22	Franco Bianco SCSB	105		128.50	4.050	005°	01	3900	19	185°	
CL	S52°44'11/.195 W69°20'01/.027	32		250.60	39.00	065°	07	5200	25	245°	
25	Gobernador Gregores SAWR	1168		118.10	4.100	084°	10	8800	28	264°	
AR	S48°46'59/.989 W70°08'52/.882	356		250.70	39.10						
24	Hipico Flying Club	935		NO ATC		001°	01	2400	19	181°	
AR	S48°45'24/.404 W70°13'52/.877	285						HIGH HILL ^^			
26	O'Higgins SCOH	900		118.25	4.125	146°	16	4000	34	326°	
CL	S48°28'08/.139 W72°33'48/.803	275		250.75	39.15			HIGH MOUNTAINS: EAST & WEST			
9	Pampa Guanaco SCBI	520		118.00	3.750	068°	08	2400	26	248°	
CL	S54°02'59/.998 W68°48'32/.540	159		250.00	38.40						
17	Porvenir SCFM	130		126.70	3.950	024°	03	2900	21	204°	
CL	S53°15'13/.221 W70°19'09/.156	40		250.40	38.80	087°	09	8100	27	267°	
12	Puerto Natales SCNT	217	115.90	128.10	3.825	094°	10	5000	28	274°	
CL	S51°40'14/.242 W72°31'41/.691	67		250.15	38.55						
14	Puerto Santa Cruz SAWU	364		118.60	3.875	060°	07	5700	25	240°	
AR	S50°01'01/.021 W68°34'44/.743	111		250.25	38.65						
11	Puerto Williams SCGZ	85	114.90	118.50	3.800	071°	08	4400	26	251°	
CL	S54°55'51/.859 W67°37'34/.573	26		250.10	38.50						
8	Punta Arenas SCCI	136	114.10	118.70	4.300	005°	01	5200	19	185°	
CL	S53°00'19/.332 W70°51'24/.415	42	270	251.10	39.50			^^ MARKED AS "NO LAND"			
						065°	07	9100	25	245°	
									109.90		
						115°	12	7900	30	295°	

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1961 -4° 1962-1990 -3° 1991-2004 -2° 2005-2017 -1° 2018-2027 0°

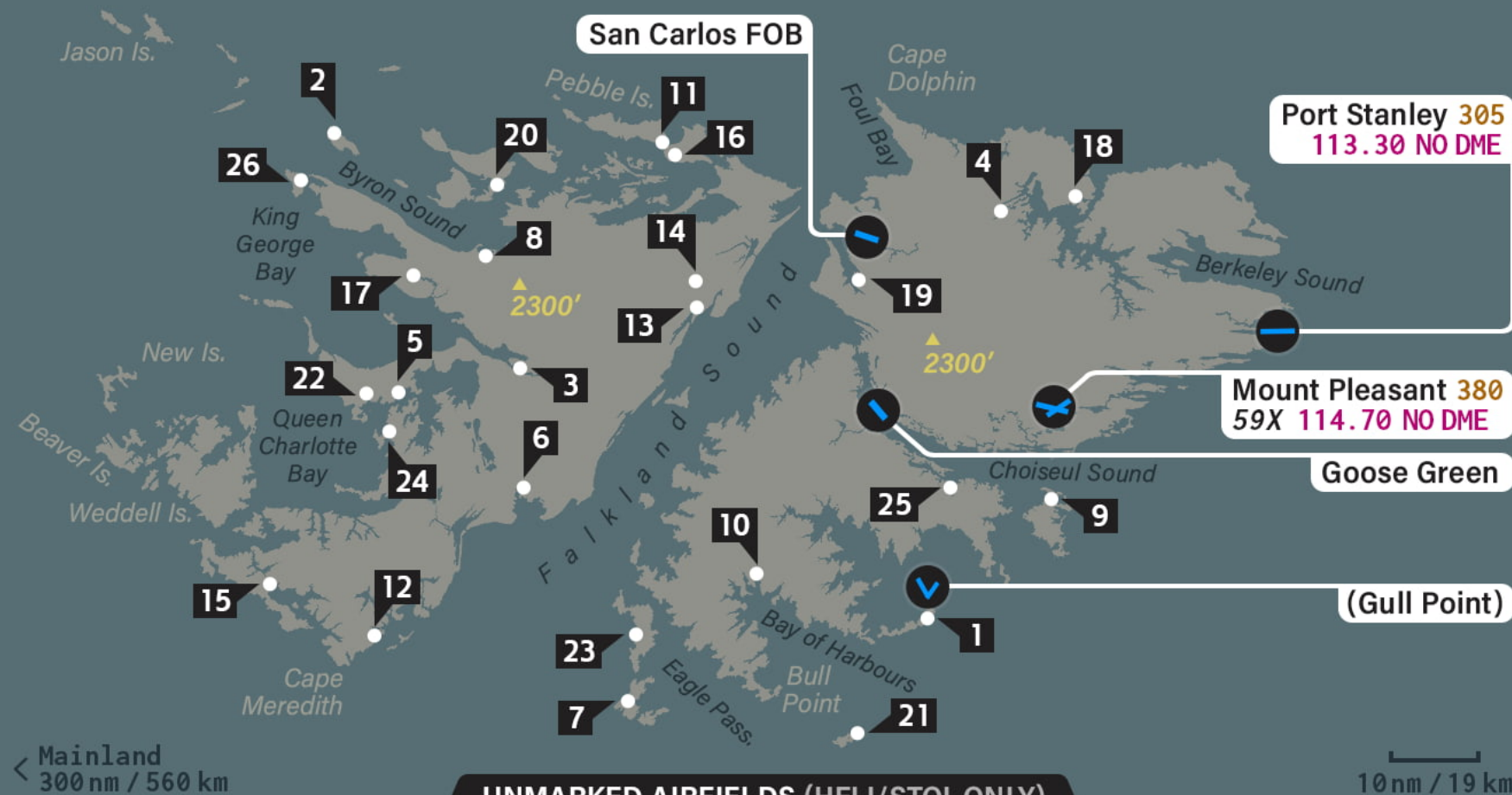
Mainland / R–U

20	Rio Chico	HELIPORT	75		118.20	4.025	074°	08	3300	26	254°	
AR	S51°40'08/.143	W69°15'57/.963	23		250.55	38.95			OBSTACLE ^^			
4	Rio Gallegos	SAWG	51	116.70	119.10	4.200	065°	07	11500	25	245°	
AR	S51°36'31/.531	W69°18'44/.736	16		250.90	39.30				^110.30		
5	Rio Grande	SAWE	61	31X 265	118.30	4.225	068°	08	6200	26	248°	
AR	S53°46'39/.656	W67°44'59/.993	19	117.30	250.95	39.35				^109.50		
19	Rio Turbio	SAWT	896	205	118.10	4.000	046°	06	5100	24	226°	
AR	S51°36'18/.303	W72°13'11/.190	274		250.50	38.90			HILLS: NORTH-WEST			
10	San Julian	SAWJ	144	117.70	118.05	3.775	063°	07	6400	25	243°	
AR	S49°18'24/.401	W67°48'09/.163	44		250.05	38.45						
16	Tolhuin	SAWL	355		118.15	3.925	066°	07	3600	25	246°	
AR	S54°29'58/.977	W67°10'20/.342	109		250.35	38.75						
6	Ushuaia	SAWH	61	NO DME	118.10	4.250	065°	07	7900	25	245°	
AR	S54°50'35/.598	W68°17'45/.750	19	113.70	251.00	39.40			^^HILL	^111.30		
7	Ushuaia	HELIPORT	42	NO DME	118.50	4.275	158°	16	5100	34	338°	
AR	Helo Port SAWO		13	113.70	251.05	39.45			HIGH MOUNTAINS: NORTH			
	S54°49'22/.369	W68°18'15/.251										



Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938–1961 -4° 1962–1990 -3° 1991–2004 -2° 2005–2017 -1° 2018–2027 0°



1 > Bleaker Is. (Lafonia Point)

091°-1800-271° 61
S52°12'03/.059 L
W58°50'59/.985

2 < Carcass Island

040°-2600-220° 64
S51°15'33/.555 L
W60°35'34/.580

3 < Chartres

096°-1300-276° 31
S51°43'09/.161
W60°03'43/.724

4 > Douglas Station

051°-1300-231° 66
S51°27'37/.624 L
W58°36'48/.800

5 < Dunnose Head

061°-1700-241° 45
S51°45'12/.200
W60°24'57/.950

6 < Fox Bay

002°-2200-182° 112
S51°56'01/.025
W60°03'41/.696

7 > George Island

098°-2000-278° 24
S52°20'59/.988
W59°45'34/.580

8 < Hill Cove

013°-2000-193° 74
S51°30'15/.264
W60°08'39/.660

9 > Lively Island

102°-2000-282° 40
S51°59'45/.759
W58°27'26/.443

10 > North Arm

031°-1200-211° 37
S52°07'27/.450
W59°22'17/.285

11 < Pebble Island

130°-2000-310° 104
S51°18'31/.531 B
W59°36'37/.617

12 < Port Albemarle

120°-1900-300° 239
S52°12'20/.338 B
W60°32'05/.088

13 < Port Howard

013°-1300-193° 57
S51°36'45/.760 B
W59°30'58/.985

14 < Port Howard Purvis Pond

106°-1800-286° 180
S51°34'02/.035
W59°32'07/.126

15 < Port Stephens

131°-1900-311° 97
S52°05'42/.706
W60°51'06/.104

16 < Puerto Calderon

101°-1200-281° 56
S51°19'52/.879
W59°34'50/.841

17 < Roy Cove

101°-1800-281° 80
S51°32'22/.380 L
W60°21'24/.405

18 > Salvador

044°-1500-224° 78
S51°26'11/.198
W58°22'42/.712

19 > San Carlos (Bonners Bay)

107°-1600-287° 33
S51°34'32/.535 B
W59°02'30/.510

20 < Saunders Island

105°-2400-285° 53
S51°22'40/.668 B
W60°05'34/.581 L

21 > Sea Lion Lodge

003°-1500-183° 45
S52°25'39/.668 L
W59°04'41/.696

22 < Shallow Harbour

088°-1600-268° 265
S51°45'20/.338
W60°32'04/.075

23 > Speedwell Island

026°-1600-206° 43
S52°13'47/.788
W59°44'39/.664

24 < Spring Point

081°-2100-261° 76
S51°49'45/.758
W60°27'01/.027

25 > Walker Creek

118°-1900-298° 72
S51°57'52/.869 B
W58°47'11/.198

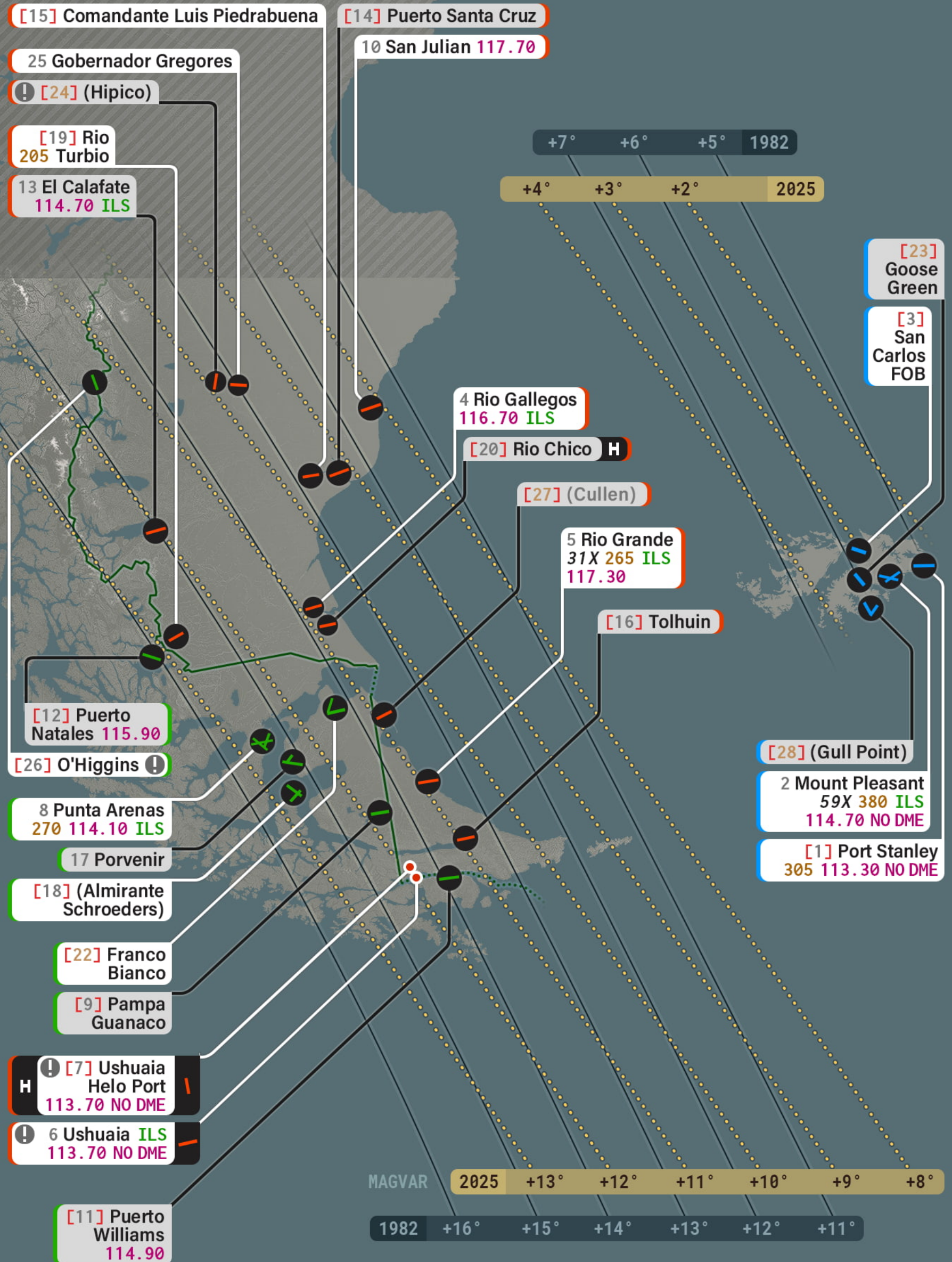
26 < West Point Island

009°-850-189° 84
S51°20'42/.715 B
W60°41'03/.049 L

091°-1800-271° - Magnetic headings, surface (GRASS, DIRT), and length (ft) of the longest runway.

61 - Elevation (ft) B - Bumpy, uneven runway L - Lit runway

Subtract 3° from magnetic headings when operating in 1982.



A–G

1	Abu al-Duhur OS57	820		122.20	4.025	088° 09	9200	27	268°	—
SY	N35°43'56/.938 E37°06'14/.247	250		250.50	38.95					
2	Adana Sakirpasa LTAF	56	112.70	121.10	4.400	050° 05	8800	23	230°	/
TK	N36°58'54/.913 E35°16'48/.800	17	395	251.25	39.70	108.70^				
44	Akrotiri LCRA	69	107X	128.00	4.775	106° 10	8800	28	286°	/
UK	N34°35'25/.422 E32°59'15/.266	21	365	252.00	40.45	^109.70				
3	Al Qusayr OS70	1729		119.20	4.675	096° 10	9500	28	276°	—
SY	N34°34'09/.156 E36°34'17/.287	527		251.80	40.25					
9	Al-Dumayr OS61	2067		120.30	5.450	060° 06	9500	24	240°	/
SY	N33°36'34/.581 E36°44'56/.949	630		253.35	41.80					
27	Aleppo OSAP	1254	114.50	119.10	4.325	092° 09	9200	27	272°	—
SY	N36°10'50/.837 E37°13'27/.462	383	396	251.10	39.55					
4	An Nasiriyah OS64	2750		122.30	4.925	039° 04	9200	22	219°	/
SY	N33°55'06/.116 E36°51'57/.950	839		252.30	40.75					
60	At Tanf HELIPORT	2329	114.00	121.10	5.225	NO RWY, NO LZ				
SY	N33°30'23/.386 E38°36'53/.893	710		252.90	41.35	TWO 130×130 ft PADS				
21	Bassel Al-Assad OSLK	94	114.80	118.10	4.075	173°•17L	7900	35R•353°		
SY	N35°24'06/.100 E35°57'01/.023	29	414	250.60	39.05	173° 17R	8900	35L 353°		
						109.10^				
6	Beirut-Rafic Hariri OLBA	39	112.60	118.90	5.375	030° 03	7000	21	210°	⚡
LB	N33°49'38/.636 E35°29'15/.261	12	351	253.20	41.65	164° 16	10300	34	344°	
						110.70^				
						174°•17	7600	35• 354°		
						109.50^				
221	Ben Gurion	134	113.50	134.60	4.125	026° 03	8800	21	206°	✈
IL	N32°00'21/.363 E34°52'56/.943	41		250.70	39.15					
						077° 08	9700	26	257°	
						110.90^				
						119°•12	9700	30• 299°		
						110.30^				
7	Damascus OSDI	2008	116.00	118.50	5.400	045°•05L	11600	23R•225°	//	
SY	N33°25'31/.530 E36°31'06/.110	612	05R: 264 23R: 342	253.25	41.70					
						045° 05R	11600	23L 225°		
						111.10^				
42	Deir ez-Zor OSDZ	713	117.00	118.10	4.750	104° 10	9500	28	284°	—
SY	N35°17'07/.125 E40°10'33/.563	218	295	251.95	40.40					
49	Ercan LCEN	312	117.00	120.20	4.900	110° 11	8700	29	290°	***
CY	N35°09'18/.308 E33°30'06/.101	95		252.25	40.70	^108.30				
10	Eyn Shemer LLES	110	112.40	123.40	3.775	095° 09	4800	27	275°	—
IL	N32°26'27/.451 E35°00'27/.454	34		250.05	38.45					
11	Gaziantep LTAJ	2290	116.70	120.10	3.800	100° 10	9100	28	280°	—
TK	N36°56'53/.886 E37°28'41/.698	698	432	250.10	38.50	^109.10				
41	Gazipasa LTFG	130	114.20	119.25	4.725	080° 08	7500	26	260°	⚡
TK	N36°17'56/.935 E32°17'51/.857	40	316	251.90	40.35	108.50^				
						MOUNTAINS: EAST & NORTH				
50	Gecitkale LCGK	148	114.30	120.00	4.950	088° 09	9100	27	268°	—
CY	N35°14'09/.160 E33°43'15/.253	46	435	252.35	40.80					

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1948 +5° 1949–1964 +4° 1965–1977 +3° 1978–2004 +2° 2005–2013 +1° 2014–2027 0°

H—Marj

53	H3	2583		122.00	5.025	059° 06	9800	24	239°	↘
IQ	N32°56'10/.171 E39°44'44/.748	788		252.50	40.95	107° 11	9500	29	287°	↘
54	H3 Northwest	2582		122.10	5.050	117° 12	8000	30	297°	↘
IQ	N33°04'33/.556 E39°35'47/.794	787		252.55	41.00					↘
55	H3 Southwest	2671		122.40	5.075	116° 12	8000	30	296°	↘
IQ	N32°44'36/.606 E39°36'07/.132	815		252.60	41.05					↘
12	H4 OJHR	2257		122.60	3.825	098° 10	8000	28	278°	↘
JO	N32°32'21/.356 E38°11'42/.704	688		250.15	38.55					↘
13	Haifa LLHA	20		127.80	3.850	157° 16	3300	34	337°	↘
IL	N32°48'38/.644 E35°02'36/.612	6		250.20	38.60					↘
14	Hama OS58	984		118.05	3.875	095° 09	8600	27	275°	↘
SY	N35°07'04/.082 E36°42'44/.742	300		250.25	38.65					↘
15	Hatay LTDA	253	112.05	128.50	3.900	039° 04	9600	22	219°	↘
TK	N36°21'44/.739 E36°17'14/.245	78	336	250.30	38.70	108.90^				↘
222	Hatzor LLHS	110	115.90	125.75	4.150	052° 05	7600	23	232°	↘
IL	N31°45'37/.623 E34°43'30/.514	34	DME ONLY	250.75	39.20	108.50^				↘
						109° 11L	7700	29L	289°	↘
						109° 11R	7800	29R	289°	↘
63	Herzliya LLHZ	118		122.20	5.300	106° 10	4300	28	286°	↘
IL	N32°10'45/.762 E34°50'16/.276	36		253.05	41.50					↘
16	Incirlik LTAG	230	21X	122.10	3.925	049° 05	9600	23	229°	↘
TK	N37°00'07/.122 E35°25'33/.565	71		360.10	38.75	109.30^		^111.70		↘
17	Jirah OS62	1173		118.10	3.950	095° 10	9600	28	275°	↘
SY	N36°05'48/.810 E37°56'11/.191	358		250.35	38.80					↘
18	Khalkhalah OS69	2323		122.50	3.975	071° 07	9500	25	251°	↘
SY	N33°04'41/.693 E36°32'27/.465	708		250.40	38.85	146° 15	8300	33	326°	↘
58	Kharab Ishk HELIPORT	1416		122.20	5.150	NO RWY				↘
SY	N36°32'48/.815 E38°35'15/.251	432		252.75	41.20	200×200 ft LZ				↘
62	King Abdullah II OJKA	2297		118.40	5.275	127° 13	6600	31	307°	↘
JO	N32°00'18/.305 E36°13'27/.452	700		253.00	41.45			^109.10		↘
19	King Hussein Air College OJMF	2205		118.30	4.000	127° 13	9500	31	307°	↘
JO	N32°21'24/.400 E36°15'35/.591	672		250.45	38.90					↘
45	Kingsfield LCRE	276	343	121.00	4.800	058° 06	3300	24	238°	↘
UK	N35°00'53/.888 E33°43'01/.021	85		252.05	40.50					↘
20	Kiryat Shmona LLKS	373		118.40	4.050	033° 03	3500	21	213°	↘
IL	N33°12'56/.948 N35°35'45/.750	114		250.55	39.00	MOUNTAINS: SOUTH-WEST				↘
31	Kuweires OS66	1201		120.50	4.450	095° 10	7700	28	275°	↘
SY	N36°11'14/.249 E37°34'53/.889	366		251.35	39.80					↘
48	Lakatamia HELIPORT	758		120.20	4.875	169° 17	1600	35	349°	↘
CY	N35°06'16/.276 E33°19'17/.299	231		252.20	40.65					↘
47	Larnaca LCRE	16	112.80	121.20	4.850	043° 04	8800	22	223°	↘
CY	N34°52'23/.390 E33°37'23/.394	5	432	252.15	40.60			^110.30		↘
22	Marj as Sultan North HELIPORT	2008		122.70	4.200	075° 08	600	26	255°	↘
SY	N33°30'01/.016 E36°28'01/.028	612		250.85	39.30	110×600 ft LZ				↘
8	Marj as Sultan South HELIPORT	2007		122.90	5.425	085° 09	600	27	265°	↘
SY	N33°29'13/.233 E36°28'31/.527	612		253.30	41.75	110×600 ft LZ				↘
23	Marj Ruhayyil OS63	2161	264	120.80	4.225	059° 06L	9400	24R	239°	↘
SY	N33°17'19/.321 E36°27'19/.326	659		250.90	39.35	059° 06R	8400	24L	239°	↘

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1948 +5° 1949–1964 +4° 1965–1977 +3° 1978–2004 +2° 2005–2013 +1° 2014–2027 0°

Marka—San

64	Marka	OJAM	2500	116.30	118.10	5.325	061° 06	10400	24	241°	—
JO	N31°58'21/.356	E35°59'29/.487	762		253.10	41.55				^109.50	—
24	Megiddo	LLMG	180		119.90	4.250	088° 09	6200	27	268°	—
IL	N32°35'49/.826	E35°13'48/.804	55		250.95	39.40					—
25	Mezzeh	OS67	2387	358	120.70	4.275	056° 06	8800	24	236°	⚠
SY	N33°28'40/.667	E36°13'27/.452	728		251.00	39.45				MOUNTAINS: NORTH, WEST	⚠
26	Minakh	OS71	1614		120.60	4.300	096° 10	4500	28	276°	✖
SY	N36°31'16/.282	E37°02'28/.480	492		251.05	39.50					✖
65	Muwaffaq Salti	OJMS	1636	85X	120.50	5.350	076° 08	8700	26	256°	—
JO	N31°49'03/.055	E36°46'43/.720	500	113.80	253.15	41.60				^109.70	—
							127° 13	8600	31	307°	—
										^ILS	—
52	Naqoura	HELIPORT	381		122.00	5.000				NO RWY	—
LB	N33°06'28/.474	E35°07'38/.637	117		252.45	40.90				140×140 ft LZ	—
43	Nicosia	LCNC	689		CLOSED, NO ATC,		086° 09	5400	27	266°	✖
	N35°09'05/.097	E33°16'33/.558	210		UN BUFFER ZONE		143° 14	8600	32	323°	✖
223	Palmachim	LLPL	45		118.25	4.175	022° 03L	4600	21R	202°	✖
IL	N31°54'01/.026	E34°41'31/.528	14		250.80	39.25	022° 03R	7600	21L	202°	✖
28	Palmyra	OSPR	1325	337	121.90	4.350	079° 08	9200	26	259°	—
SY	N34°33'26/.437	E38°19'00/.002	404		251.15	39.60					—
46	Paphos	LCPH	40	79X 328	119.90	4.825	109° 11	8600	29	289°	—
CY	N34°43'05/.089	E32°29'05/.087	13	117.90	252.10	40.55				^108.90	—
51	Pinarbashi	HELIPORT	771		121.00	4.975	162° 16	3400	34	342°	⚠
CY	N35°16'25/.429	E33°16'05/.094	235		252.40	40.85				^ NO LAND: MOUNTAINS	⚠
61	Prince Hassan	OJPH	2148	106X	122.60	5.250	127° 13	9500	31	307°	—
JO	N32°09'38/.641	E37°08'57/.963	655	115.90	252.95	41.40				^111.70	—
29	Qabr as Sitt	HELIPORT	2135		122.60	4.375	054° 05	900	23	234°	✖
SY	N33°27'31/.524	E36°21'27/.463	651		251.20	39.65				180×900 ft LZ	✖
--	Raj al Issa East		2550		CLOSED, NO ATC,		090° 09	6400	27	270°	✖
SY	N33°41'59/.998	E37°34'09/.158	778		UNMARKED					BUMPY, UNEVEN, VSTOL ONLY	✖
--	Raj al Issa West		2527		CLOSED, NO ATC,		071° 08	6300	26	251°	—
SY	N33°41'09/.157	E37°31'34/.582	771		UNMARKED					BUMPY, UNEVEN, VSTOL ONLY	—
30	Ramat David	LLRD	146	84X	118.60	4.425	084° 09	7600	27	264°	✖
IL	N32°39'58/.978	E35°11'02/.049	45	113.70	251.30	39.75	105° 11	7700	29	285°	✖
				368			141° 15	7700	33	321°	✖
										^111.10	—
32	Rayak	OLRA	3035		124.40	4.475	042° 04	9400	22	222°	—
LB	N33°51'04/.067	E35°59'14/.239	925		251.40	39.85					—
33	Rene Mouawad	OLKA	23	450	121.00	4.500	058° 06	9000	24	238°	—
LB	N34°35'21/.357	E36°00'41/.686	7		251.45	39.90					—
34	Rosh Pina	LLIB	914	115.30	118.45	4.525	049° 05	3200	23	229°	⚠
IL	N32°58'57/.958	E35°34'14/.244	279		251.50	39.95	147° 15	2900	33	327°	⚠
										MOUNTAINS: WESTERN SIDE	⚠
56	Ruwayshid		2980		122.10	5.100	091° 09	7000	27	271°	—
IQ	N32°24'17/.297	E39°07'49/.831	909		252.65	41.10					—
57	Sanliurfa	LTCS	2703	113.20	118.40	5.125	036° 04	12900	22	216°	—
TK	N37°26'53/.884	E38°53'54/.902	824	391	252.70	41.15				111.90^	—

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1948 +5° 1949–1964 +4° 1965–1977 +3° 1978–2004 +2° 2005–2013 +1° 2014–2027 0°

Say—W

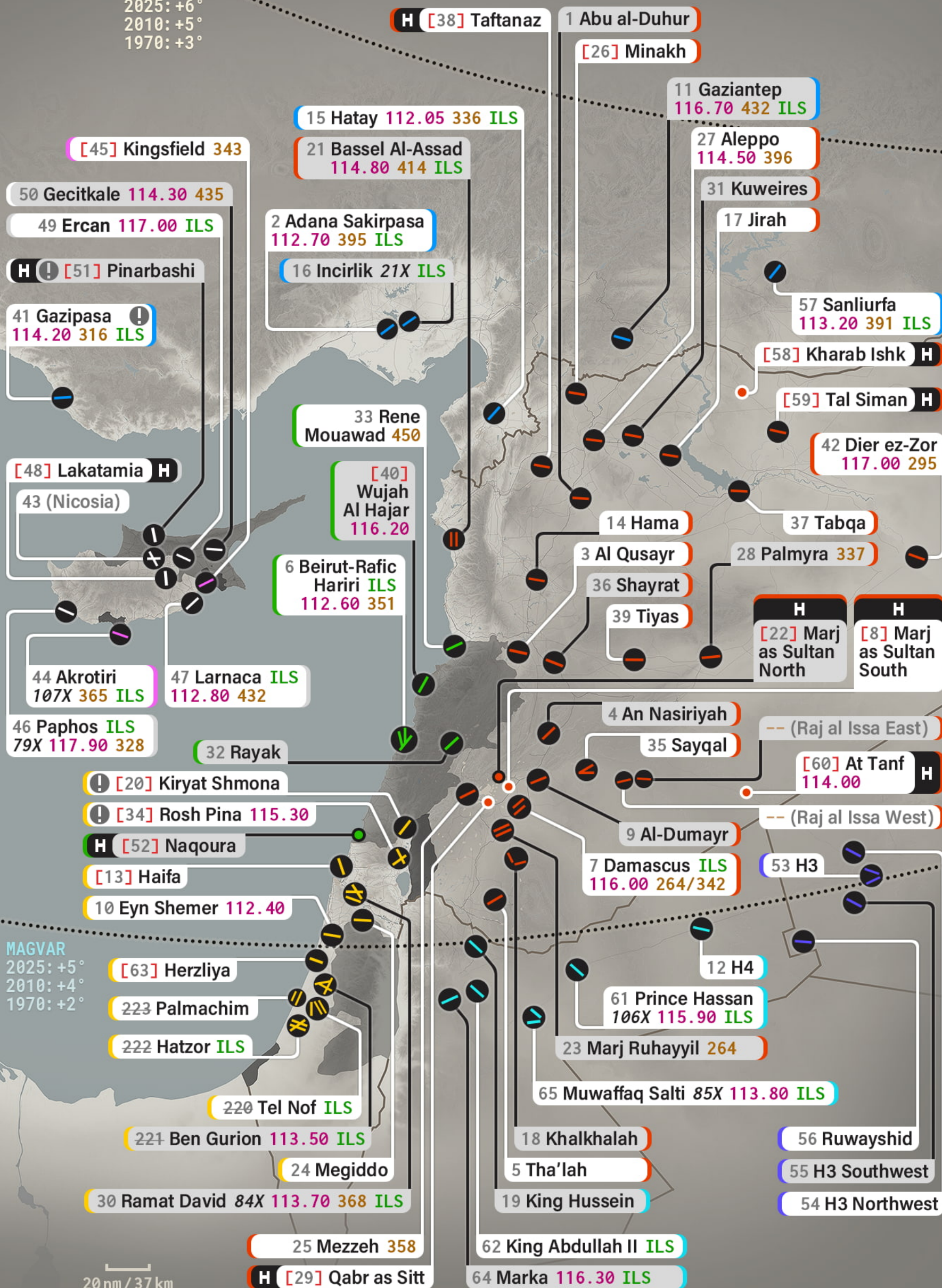
35	Sayqal OS68	2274		120.40 4.550	055° 05 7600 23 235°	←
SY	N33°40'47/.790 E37°13'01/.026	694		251.55 40.00	085° 08 9500 26 265°	←
36	Shayrat OS65	2638		120.20 4.575	107° 11 9300 29 287°	←
SY	N34°29'24/.412 E36°54'27/.456	804		251.60 40.05		←
37	Tabqa OS59	1099		118.50 4.600	088° 09 9300 27 268°	←
SY	N35°45'16/.283 E38.33'59/.986	335		251.65 40.10		←
38	Taftanaz HELIPORT	1020		122.80 4.625	095° 10 3200 28 275°	←
SY	N35°58'26/.446 E36°46'53/.886	311		251.70 40.15		←
59	Tal Siman HELIPORT	981		121.90 5.200	097° 10 2900 28 277°	←
SY	N36°15'44/.745 E38°55'41/.698	299		252.85 41.30		←
220	Tel Nof LLEK	212	NDB	128.10 4.100	148° 15L 7600 33R 328°	←
IL	N31°50'17/.299 E34°49'57/.957	65		250.65 39.10	148° 15R 7600 33L 328°	←
					180° 18 7600 36 360°	←
					^109.10	←
5	Tha'lah OS60	2414		118.00 5.175	053° 05 9500 23 233°	←
SY	N32°42'14/.240 E36°24'49/.826	736		252.80 41.25		←
39	Tiyas OS72	1798		120.50 4.650	085° 09 9500 27 265°	←
SY	N34°31'21/.357 E37°37'48/.807	548		251.75 40.20		←
40	Wujah Al Hajar Z190	641	116.20	120.50 4.700	024° 02 4800 20 204°	←
LB	N34°16'52/.880 E35°40'48/.806	196		251.85 40.30	UNEVEN	←



Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1933–1948 +5° 1949–1964 +4° 1965–1977 +3° 1978–2004 +2° 2005–2013 +1° 2014–2027 0°

MAGVAR
2025: +6°
2010: +5°
1970: +3°



England

12	Biggin Hill N51°19'36"/.602 E00°01'51"/.866	553 169		118.20 3.850 250.20 38.60	040° 04 4700 22 220° 059° 05 2300 23 239° 119° 12 2500 30 299°	
8	Detling N51°18'18"/.302 E00°35'59"/.991	623 190		118.60 4.050 250.60 39.00	058° 05 3700 23 238°	
9	Eastchurch N51°23'24"/.408 E00°50'48"/.814	40 13		118.05 3.775 250.05 38.45	034° 02 3100 20 214° 109° 10 3500 28 289°	
6	Hawkinge N51°06'42"/.714 E01°09'36"/.615	525 160		118.50 4.000 250.50 38.90	011° 01 2500 19 191° 050° 05 3100 23 230°	
11	Headcorn N51°10'57"/.956 E00°41'22"/.369	115 35		118.15 3.825 250.15 38.55	024° 02 3800 20 204° 104° 10 4100 29 284°	
10	High Halden N51°07'17"/.298 E00°41'37"/.624	105 32		118.10 3.800 250.10 38.50	042° 04 4300 22 222° 113° 11 3900 29 293°	
7	Lympne N51°04'50"/.839 E01°01'01"/.022	351 107		118.55 4.025 250.55 38.95	031° 02 2600 20 211° 145° 13 3200 31 325° 169° 16 3500 34 349°	
5	Manston N51°20'31"/.518 E01°20'46"/.768	161 50		118.45 3.975 250.45 38.85	067° 06 4800 24 247° 113° 10 9000 28 293°	

France

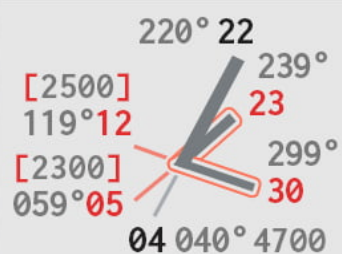
1	Abbeville Drucat N50°08'36"/.607 E01°49'55"/.916	184 56		118.25 3.875 250.25 38.65	034° 02 5100 20 214° 100° 09 5100 27 280° 142° 13 5100 31 322°	
4	Dunkirk Mardyck N51°01'46"/.777 E02°15'08"/.147	16 5		118.40 3.950 250.40 38.80	091° 08 2000 26 271°	
2	Merville Calonne N50°37'10"/.170 E02°38'17"/.287	52 16		118.30 3.900 250.30 38.70	048° 04 5100 22 228° 088° 08 5100 26 268° 149° 14 5000 32 329°	
3	Saint Omer Longuenesse N50°43'43"/.721 E02°13'54"/.915	220 67		118.35 3.925 250.35 38.75	040° 03 1600 21 220° 097° 08 2000 26 277°	



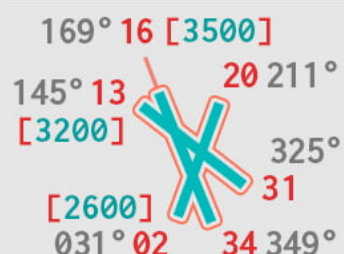
Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1950	0°	1951-1954	-1°	1955-1961	-2°	1962-1967	-3°	1968-1972	-4°
1973-1979	-5°	1980-1987	-6°	1988-1995	-7°	1996-2001	-8°	2002-2009	-9°
		2010-2015	-10°	2016-2021	-11°	2022-2026	-12°		

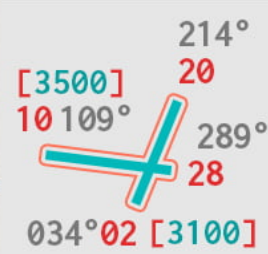
12 Biggin Hill



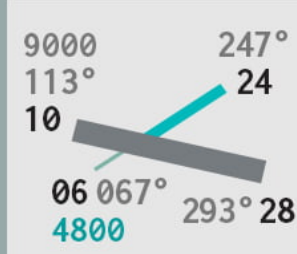
[7] Lympne



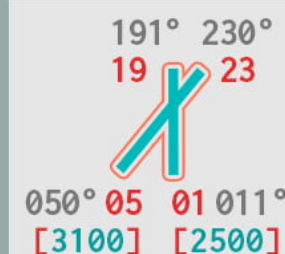
[9] Eastchurch



5 Manston



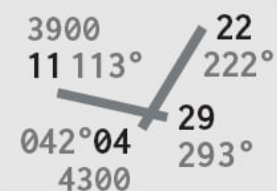
[6] Hawkinge



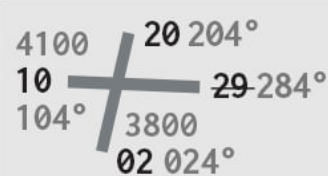
8 Detling

[4] Dunkirk
Mardyck

10 High Halden

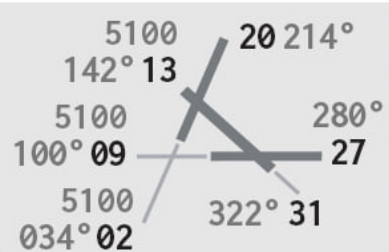
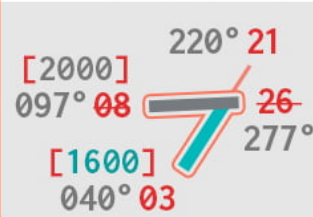


11 Headcorn

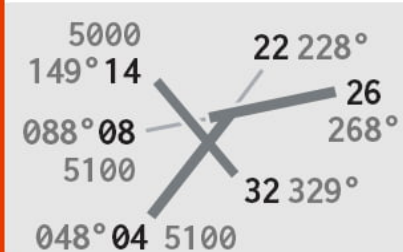


10 nm / 19 km

1 Abbeville Drucat

[3] Saint Omer
Longuenesse

2 Merville Calonne



2025: +1° : 1944: -11°

MAGVAR

2025: +1.5° : 1944: -10°

Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):

1938-1950	0°	1951-1954	-1°	1955-1961	-2°	1962-1967	-3°	1968-1972	-4°
1973-1979	-5°	1980-1987	-6°	1988-1995	-7°	1996-2001	-8°	2002-2009	-9°
2010-2015	-10°	2016-2021	-11°	2022-2026	-12°				

Afghanistan 2 May 2011

SUMMER SEASON ONLY

3	026°	03L	21R	206°	21	16	Bagram
--	026°	03R	21L	206°	--		
7	067°	07	25	247°	--	18	Bamyan
1	007°	01	19	187°	--	8	Bost
1	010°	01	19	190°	--	10	Camp Bastion
1	010°	01	19	190°	--	13	Camp Bastion Heliport
--	065°	07	25	245°	25	5	Chaghcharan
5	050°	05	23	230°	--	11	Dwyer
--	150°	15	33	330°	33	2	Farah
3	024°	03	21	204°	--	20	Gardez
--	174°	17	35	354°	35	21	Ghazni Heliport
18	188°	18	36	008°	--	1	Herat
13	127°	13	31	307°	--	19	Jalalabad
11	104°	11	29	284°	--	17	Kabul
--	054°	05	23	234°	23	7	Kandahar
--	054°	05	23	234°	23	15	Kandahar Heliport
--	055°	05	23	235°	23	25	Khost
--	082°	08	26	262°	26	23	Khost Heliport
--	142°	14	32	322°	32	4	Maymana Zahiraddin Faryabi
14	140°	14	32	320°	--	12	Nimroz
--	040°	04	22	220°	22	6	Qala i Naw
--	142°	14	32	322°	32	22	Sharana
--	182°	18	36	002°	36	3	Shindand
--	182°	18	36	002°	36	14	Shindand Heliport
12	123°	12	30	303°	--	9	Tarinkot
9	092°	09	27	272°	--	24	Urgoon Heliport

3 (IN RED) - [getRunways > Name](#)

026° - TRUE HEADING MEASURED WITH THE GAME RULER.

03L - RUNWAY NAME. TAKEN FROM THE IN-GAME INFO PANEL OR GIVEN BASED ON HEADING, THEN NORMALIZED WITH LEADING ZERO AND DESIGNATOR IF NEEDED. IN STRIKETHROUGH WHEN THE IN-GAME NAME IS INCORRECT: NOT RECIPROCAL (e.g. 01-25), DOESN'T MATCH HEADING, AND SO ON.

• - FOR MULTI-RUNWAY AIRFIELDS: THIS IS *USUALLY* THE DEFAULT RUNWAY PICKED FOR SPAWNING AND BY AI.

AERODROME NUMBER (IN BLUE) - [getAirbases > ID](#)**AERODROME NAME** - [getAirbases > Callsign](#)

2 May 2011 - THE MAP'S DEFAULT DATE WHEN CREATING A NEW MISSION IN EDITOR.

Caucasus 21 June 2016

SPRING: 1 MARCH - 31 MAY

SUMMER: 1 JUNE - 31 AUGUST

FALL: 1 SEPTEMBER - 30 NOVEMBER

WINTER: 1 DECEMBER - 29 FEBRUARY

--	041°	04	22	221°	22	12	Anapa-Vityazevo
--	126°	13	31	306°	31	22	Batumi
10	094°	10	28	274°	--	32	Beslan
1	040°	01	19	220°	--	17	Gelendzhik
15	151°	15	33	331°	--	21	Gudauta
--	070°	07	25	250°	25	24	Kobuleti
9	087°	09	27	267°	--	13	Krasnodar-Center
--	047°	05	23	227°	23	19	Krasnodar-Pashkovsky
4	040°	04	22	220°	--	15	Krymsk
--	074°	07	25	254°	25	25	Kutaisi
4	039°	04	22	219°	--	16	Maykop-Khanskaya
--	115°	12	30	295°	30	26	Mineralnye Vody
--	083°	08	26	263°	26	28	Mozdok
6	056°	06	24	236°	--	27	Nalchik
--	042°	04	22	222°	22	14	Novorossiysk
--	095°	09	27	275°	27	23	Senaki-Kolkhi
6	062°	06	24	242°	--	18	Sochi-Adler
14	132°	14	32	312°	--	30	Soganlug
--	117°	12	30	297°	30	20	Sukhumi-Babushara
13	128°	13	31	308°	--	29	Tbilisi-Lochini
13	135°	13	31	315°	--	31	Vaziani

Cold War Germany 1 June 1999

THE NAMELESS / GENERIC 'H' HELIPADS ARE OMITTED

SUMMER SEASON ONLY

--	063°	06	24	243°	--	---	(Unlisted)	Adelsheim
7	074°	07	25	254°	--	204	Air	racing Frankfurt
--	154°	15	33	334°	33	123	Air	racing Koblenz
--	165°	17	35	345°	35	201	Air	racing Lubeck
--	079°	07	25	259°	25	157	All	stedt
10	103°	10	28	283°	--	2	Altes	Lager
8	086°	08*	26*	266°	--	242	Bad	Durkheim
							<i>*Painted as 06-24</i>	
--	097°	09	27	277°	27	3	Barth	
--	128°	09	27	XXX°	27	110	Bienen	farm
10	105°	10	28	285°	--	164	Binders	leben
--	066°	06	24	246°	24	200	Bitburg	
--	093°	--	--	273°	--	107	Braunschweig	
--	093°	08	26	273°	26			
--	093°	--	--	273°	--			
--	061°	05	23	241°	--	5	Bremen	
9	098°	09	27	278°	--			
--	080°	07	25	260°	25	6	Briest	
3	040°	03	21	220°	--	235	Buchel	
--	087°	--	--	267°	--	7	Buckeburg	
--	087°	08	26	267°	26			
--	087°	--	--	267°	--			
--	089°	08	26	269°	26	8	Celle	
8	085°	08	26	265°	--	9	Cochstedt	
7	079°	07	25	259°	XX	10	Damgarten	
10	101°	10L	28R	281°	--	103	Dedelow	
--	101°	10R	28L	281°	--			
9	098°	09	27	278°	--	83	Dessau	
--	097°	--	--	277°	--	11	Fassberg	
9	096°	09	26	276°	--			
--	106°	10	28	286°	28	12	Finow	
7	079°	07L	25R	259°	25	163	Frankfurt	
--	079°	07R	25L	259°	--			
--	128°	--	--	308°	--	154	Fritzlar	
--	128°	12	30	308°	30			
--	092°	09	27	272°	27	166	Fulda	
--	116°	11L	29R	296°	--	112	Gardelegen	
--	116°	11R	29L	296°	29			
--	111°	10	28	291°	28	13	Garz	
--	085°	08L	26R	265°	26	14	Gatow	
--	085°	08R	26L	265°	--			
9	090°	09	27	270°	--	243	Gelnhausen	
8	086°	08	26	266°	--	159	Giebelstadt	
10	104°	10	28	284°	--	113	Glindbruchkippe	

Cold War Germany (continued)

13	132°	13	31	312°	--	80	Gross Mohrdorf	
--	132°	--	--	312°	--			
--	082°	08	26	262°	26	141	Grosse Wiese	
9	101°	09	27	281°	--	16	Gutersloh	
--	043°	03	21	223°	21	155	Hahn	
--	113°	10	28	293°	28	161	Haina	
5	059°	05	23	239°	23	17	Hamburg	
--	162°	15	33	342°	--			
5	061°	05	23	241°	--	18	Hamburg Finkenwerder	
--	101°	09L	27R	281°	--	19	Hannover	
--	101°	09C	27C	281°	--			
9	101°	09R	27L	281°	27			
--	094°	09	27	274°	27	140	Hasselfelde	
6	049°	06	24	229°	--	244	Herrenteich	
--	083°	07	25	083°	25	115	Hildesheim	
--	152°	15	33	332°	33	245	Hockenheim	
--	100°	09	27	280°	27	118	Holzdorf	
8	085°	08L	26R	265°	--	104	Kammermark	
--	085°	08R	26L	265°	--			
--	096°	10*	28*	276°	28	82	Kothen	
							<i>*Painted as 09-27</i>	
10	105°	10	28	285°	--	20	Laage	
--	066°	06	24	246°	24	246	Langenselbold	
8	081°	08	26	081°	--	21	Larz	
--	112°	11	29	292°	29	171	Leipzig Halle	
--	069°	--	--	249°	--	236	Leipzig Mockau	
--	069°	07	25	249°	25			
--	069°	--	--	249°	--			
7	080°	07	25	260°	--	81	Lubeck	
--	082°	08*	26*	262°	26	89	Luneburg	
							<i>*Painted as 06-24</i>	
--	098°	10*	28*	278°	28	22	Mahlwinkel	
							<i>*Painted as 09-27</i>	
--	086°	08	26	266°	26	168	Mendig	
9	083°	09*	27*	263°	--	169	Merseburg	
							<i>*Painted as 08-26</i>	
9	094°	09	27	274°	--	23	Neubrandenburg	
10	104°	10	28	284°	--	24	Neuruppin	
--	090°	09	27	270°	27	90	Northeim	
--	057°	06	24	237°	24	248	Ober-Morlen	
12	118°	12*	30*	298°	--	167	Obermehler Schlotheim	
							<i>*Painted as 11-29</i>	
7	072°	07	25	252°	--	84	Parchim	
13	142°	13	31	322°	--	25	Peenemunde	
--	096°	09	27	276°	27	232	Pferdsfeld	

Cold War Germany (continued)

--	019°	•02L	20R	•199°	20	111	Pinnow
--	019°	02R	20L	199°	--		
6	059°	06*	24*	239°	--	249	Pottschutthohe
							<i>*Painted as 22-04</i>
--	097°	09	27	277°	27	165	Ramstein
12	121°	12	30	301°	--	117	Rinteln
7	075°	•07L	25R	•255°	25	26	Schonefeld
--	075°	07R	25L	255°	--		
--	092°	09	27	272°	27	160	Schweinfurt
--	074°	07	25	254°	25	156	Sembach
--	056°	05	23	236°	23	162	Spangdahlem
--	100°	09	27	280°	27	101	Sperenberg
8	089°	08	26	269°	--	27	Stendal
--	087°	08L	26R	267°	--	28	Tegel
8	087°	•08R	26L	•267°	26		
--	092°	09L	27R	272°	--	29	Tempelhof
9	094°	•09R	27L	•274°	27		
9	095°	09	27	275°	27	15	Templin
17	176°	17	35	356°	--	30	Tutow
--	095°	09	27	275°	27	102	Uelzen
--	103°	09L	27R	283°	--	86	Uetersen
--	103°	•09R	27L	•283°	27		
--	133°	13	31	313°	31	114	Ummern
13	135°	•13	31	•315°	--	116	Verden-Scharnhorst
--	135°	--	--	315°	--		
1	009°	01	19	189°	--	247	Walldorf
--	057°	06	24	237°	24	109	Waren Vielist
8	090°	08	26	270°	--	31	Werneuchen
--	006°	01	19	186°	19	106	Weser Wumme
8	083°	08	26	263°	--	170	Wiesbaden
10	089°	10*	28*	269°	--	108	Wismar
							<i>*Painted as 06-24</i>
8	082°	08	26	262°	--	1	Wittstock
--	074°	•07*	25*	•254°	25	250	Worms
--	074°	--	--	254°	--		<i>*Painted as 06-24</i>
--	036°	03	21	216°	--	32	Wunstorf
8	091°	•08	26	•271°	26		
--	072°	07	25	252°	25	4	Zerbst
3	040°	03	21	220°	--	158	Zweibrucken

Iraq 30 June 2014

SUMMER SEASON ONLY

-- 090°	09L	27R	270°	--	1	Al-Asad Airbase
9 090°	•09R	27L	•270°	27		
-- 143°	14L	32R	323°	--	12	Al-Sahra Airport
14 143°	•14R	32L	•323°	32		
15 147°	15	33	327°	--	14	Al-Salam Airbase
-- 161°	16	34	341°	34	9	Al-Taji Airport
-- 120°	•12L	30R	•300°	--	13	Al-Taquddum Airport
12 120°	12R	30L	300°	30		
-- 150°	15L	33R	330°	--	2	Baghdad International
15 150°	•15R	33L	•330°	33		Airport
-- 126°	12	30	306°	--	8	Balad Airbase
14 146°	•14	32	•326°	32		
13 139°	13	31	319°	--	5	Bashur Airport
-- 152°	15	33	332°	--	4	Erbil International
18 181°	•18	36	•001°	36		Airport
-- 141°	14	32	321°	32	11	K1 Base
13 134°	•13	31	•314°	31	10	Kirkuk International
-- 146°	14	32	326°	--		Airport
15 154°	15	33	334°	--	6	Qayyarah Airfield West
13 133°	13	31	313°	--	7	Sulaimaniyah
						International Airport

Kola 11 May 2024

SUMMER: 1 MAY - 14 NOVEMBER

WINTER: 15 NOVEMBER - 30 APRIL

--	095°	10	28	275°	28	33	Afrikanda
--	122°	12	30	302°	30	19	Alakurtti
--	119°	11	29	299°	29	24	Alta
14	154°	14	32	334°	--	20	Andoya
--	172°	16	34	352°	34	1	Banak
--	111°	10	28	291°	28	21	Bardufoss
7	084°	07	25	264°	--	7	Bodo
3	032°	03	21	212°	--	26	Enontekio
17	182°	17	35	002°	--	25	Evenes
--	065°	06	24	245°	24	23	Hosio
--	041°	04	22	221°	22	18	Ivalo
--	133°	C	C	313°	--	11	Jokkmokk
14	145°	14	32	325°	--		
--	152°	B	B	332°	--		
--	183°	D	D	003°	--		
2	027°	02*	20*	207°	--	32	Kalevala
							<i>*Painted as 20-02</i>
--	054°	05	23	234°	--	13	Kalixfors
--	108°	11	29	288°	--		
17	171°	17	35	351°	--		
14	136°	14	32	316°	--	15	Kallax
18	184°	18	36	004°	--	3	Kemi Tornio
--	033°	03	21	213°	21	28	Kilpyavr
--	061°	05	23	241°	23	14	Kirkenes
--	034°	03	21	214°	21	5	Kiruna
16	163°	16	34	343°	--	22	Kittila
1	010°	01*	19*	190°	--	30	Koshka Yavr
							<i>*Painted as 19-01</i>
12	125°	12	30	305°	--	16	Kuusamo
--	021°	02	20	201°	20	29	Luostari Pechenga
1	016°	01	19	196°	--	10	Monchegorsk
13	135°	13	31	315°	--	12	Murmansk International
--	008°	01	19	188°	19	9	Olenya
9	087°	09*	27*	267°	--	31	Poduzhemye
							<i>*Painted as 27-09</i>
--	033°	03	21	213°	21	2	Rovaniemi
14	135°	14	32	315°	--	8	Severomorsk-1
--	171°	17	35	351°	35	6	Severomorsk-3
16	160°	16	34	340°	--	27	Sodankyla
11	117°	11	29	297°	--	17	Vidsel
--	043°	04	22	223°	22	4	Vuojarvi

Marianas 1 June 2020

SUMMER SEASON ONLY

--	066°	06L	24R	246°	--	6	Andersen AFB
6	066°	•06R	24L	•246°	24		
6	065°	•06L	24R	•245°	24	4	Antonio B. Won Pat Intl
--	065°	06R	24L	245°	--		
--	063°	06	24	243°	--	8	North West Field
--	067°	07	25	247°	25	5	Olf Orote
--	111°	11	29	291°	11	7	Pagan Airstrip
9	092°	09	27	272°	--	1	Rota Intl
--	068°	06	24	248°	--	2	Saipan Intl
7	068°	•07	25	•248°	--		
8	079°	08	26	259°	--	3	Tinian Intl

Marianas WWII 1 June 1944

SUMMER SEASON ONLY

7	069°	07	25	249°	--	1	Agana
10	097°	10	28	277°	--	3	Airfield 3
--	051°	05	23	231°	--	--	Airfield 4 (Unnamed in game)
3	034°	03	21	214°	--	4	Charon Kanoa
--	091°	09	27	271°	--	--	Dededo Airfield (Unnamed in game)
9	092°	09	27	272°	--	5	Gurguan Point
9	091°	09	27	271°	--	6	Isley
9	091°	09	27	271°	--	7	Kagman
11	112°	11	29	292°	--	8	Marpi
11	112°	11	29	292°	--	2	Orote
11	111°	11	29	291°	--	11	Pagan
9	092°	09	27	272°	--	9	Rota
9	095°	09	27	275°	--	10	Ushi

Nevada 21 June 2016

SUMMER SEASON ONLY

16	180°	16	34	000°	--	5	Beatty
--	098°	09	27	278°	--	6	Boulder City
15	164°	15	33	344°	33		
8	092°	08	26	272°	26	1	Creech
--	145°	13	31	325°	--		
6	077°	06	24	257°	--	7	Echo Bay
--	156°	14L	32R	336°	32	2	Groom Lake
--	156°	14R	32L	336°	--		
17	179°	17L	35R	359°	35	8	Henderson Executive
--	179°	17R	35L	359°	--		
2	031°	02L	20R	211°	20	9	Jean
--	031°	02R	20L	211°	--		
16	175°	16	34	355°	--	10	Laughlin
17	181°	17	35	001°	--	11	Lincoln County
--	024°	01L	19R	204°	--	3	McCarran International
--	024°	01R	19L	204°	--		
7	089°	07L	25R	269°	25		
--	089°	07R	25L	269°	--		
1	028°	01	19	208°	--	13	Mesquite
13	153°	13	31	332°	--	14	Mina
--	040°	03L	21R	220°	--	4	Nellis
3	040°	03R	21L	220°	21		
7	088°	07	25	268°	25	15	North Las Vegas
--	133°	12L	30R	313°	30		
--	133°	12R	30L	313°	--		
--	193°	18	36	013°	36	16	Pahute Mesa
11	125°	11	29	305°	29	17	Tonopah
--	165°	15	33	345°	--		
--	157°	14	32	337°	32	18	Tonopah Test Range

Normandy 6 June 1944

SUMMER: 1 MARCH - 31 AUGUST

TRANSITIONAL: 1 SEPTEMBER - 29 FEBRUARY

--	018°	02	20	198°	19	75	Abbeville Drucat
--	085°	09	27	265°	--		
11	126°	11	29	306°	29		
--	041°	04	22	221°	--	59	Amiens-Glisy
11	112°	11	29	292°	29		
--	117°	12	30	297°	30	32	Argentan
13	126°	13	31	306°	--	65	Avranches Le Val-Saint-Pere
7	070°	07	25	250°	--	15	Azeville
--	096°	10	28	276°	--	34	Barville
15	147°	15	33	327°	33		
5	053°	05	23	233°	--	20	Bazenville
4	051°	05	23	231°	--	67	Beaumont-le-Roger
--	082°	08	26	262°	--		
13	141°	13	31	321°	31		
--	038°	04	22	218°	--	44	Beauvais-Tille
12	120°	12	30	300°	30		
--	172°	17	35	352°	35	22	Beny-sur-Mer
18	180°	18	36	000°	--	69	Bernay Saint Martin
5	049°	05	23	229°	--	14	Beuzeville
--	023°	03	21	203°	--	71	Biggin Hill
--	043°	05	23	223°	--		
11	103°	11	29	283°	29		
14	140°	14	32	320°	--	10	Biniville
--	118°	12	30	298°	30	68	Brogie
7	066°	07	28	246°	--	5	Brucheville
--	123°	12	30	303°	30	19	Carpiquet
--	073°	07	25	253°	--	27	Chailey
15	151°	15	33	331°	33		
--	154°	15	33	334°	33	11	Cardonville
6	060°	06	24	240°	--	13	Chippelle
--	043°	04	22	223°	22	40	Conches
4	039°	04	22	219°	22	45	Cormeilles-en-Vexin
--	114°	11	29	294°	--		
15	061°	15	33	241°	33	46	Creil
--	130°	13	31	310°	--		
--	130°	13	31	310°	31	3	Cretteville
17	173°	17	35	353°	--	7	Cricqueville-en-Bessin
22	053°	22	34	233°	--	54	Deanland
12	115°	12	30	295°	--	62	Deauville
--	042°	04	22	222°	22	73	Detling
--	105°	10	28	285°	28	12	Deux Jumeaux
7	070°	07	25	250°	--	49	Dinan-Trelivan
8	079°	08	26	259°	--	79	Dunkirk-Mardyck
--	022°	02	20	202°	--	81	Eastchurch
9	108°	09	27	288°	27		

Normandy (continued)

--	095°	09	27	275°	27	35	Essay
21	035°	21	35	215°	35	26	Evreux
--	164°	16	34	344°	--		
--	060°	06	24	240°	--	52	Farnborough
--	106°	11	29	286°	--		
17	172°	17	35	352°	35		
--	180°	18	36	000°	36	51	Fecamp-Benouville
--	053°	05	23	233°	23	64	Flers
--	057°	06	24	237°	--	31	Ford
14	143°	14	32	323°	32		
6	060°	06	24	240°	--	53	Friston
--	085°	08	26	265°	--	29	Funtington
15	150°	15	33	330°	33		
--	026°	21	35	206°	35	33	Goulet
18	177°	18	36	357°	36	66	Gravesend
4	042°	04	22	222°	--	47	Guyancourt
--	073°	07	25	253°	--		
13	133°	13	31	313°	31		
15	142°	15	32	322°	--	36	Hauterive
--	013°	01	19	193°	--	82	Hawkinge
7	041°	07	25	221°	25		
10	102°	10	28	282°	28	80	Headcorn
--	178°	18	36	358°	--		
12	088°	12	30	268°	--	50	Heathrow
--	025°	04	22	205°	--	78	High Halden
11	096°	11	29	276°	29		
--	021°	02	20	201°	--	43	Kenley
2	121°	02	30	301°	30		
6	060°	06	24	240°	--	25	Lantheuil
--	041°	04	22	221°	22	17	Le Molay
6	062°	06	24	242°	24	8	Lessay
--	124°	12	30	304°	--		
11	110°	11	29	290°	--	2	Lignerolles
12	120°	12	30	300°	--	18	Longues-sur-Mer
6	060°	06	24	240°	--	48	Lonrai
--	058°	06	24	238°	--	37	Lymington
12	136°	12	30	316°	30		
--	019°	02	20	199°	--	74	Lympne
7	110°	07	25	290°	25		
--	051°	06	24	231°	--	72	Manston
11	098°	11	29	278°	29		
--	101°	10	28	281°	28	4	Maupertus
8	080°	08	26	260°	--	6	Meautis
4	034°	04	22	214°	--	77	Merville Calonne
18	073°	18	36	253°	36		
--	137°	14	32	317°	--		
6	060°	06	24	240°	24	28	Needs Oar Point
--	170°	17	35	350°	--		

Normandy (continued)

--	095°	10	28	275°	28	39	Odiham
--	014°	01	19	194°	--	57	Orly
7	068°	07	25	248°	25		
11	110°	11	29	290°	--	16	Picauville
4	039°	04	22	219°	22	56	Poix
--	090°	09	27	270°	--		
--	073°	07	25	253°	--	60	Ronai
12	124°	12	30	304°	30		
--	038°	04	22	218°	22	61	Rouen-Boos
--	090°	09	27	270°	27	23	Rucqueville
--	092°	09	27	272°	27	1	Saint Pierre du Mont
--	049°	05	23	229°	--	70	Saint-Andre-de-l'Eure
13	127°	13	31	307°	31		
--	124°	12	31	304°	31	63	Saint-Aubin
--	030°	03	21	210°	--	76	Saint-Omer Wizernes
9	090°	09	27	270°	27		
--	090°	09	27	270°	27	21	Sainte-Croix-sur-Mer
11	107°	11	29	287°	--	9	Sainte-Laurent-sur-Mer
9	086°	09	27	266°	--	24	Sommervieu
6	062°	06	24	242°	24	58	Stoney Cross
--	180°	18	36	000°	--		
--	062°	06	24	242°	--	30	Tangmere
3	152°	03	21	332°	21		
--	159°	15	34	339°	34	55	Triqueville
--	123°	12	30	303°	30	42	Villacoublay
14	136°	14	32	316°	--	38	Vrigny
--	064°	15	33	244°	33	41	West Malling

Persian Gulf 1 June 2020

SUMMER SEASON ONLY

13	129°	•13L	31R	•309°	31	22	Abu Dhabi Intl
--	129°	13R	31L	309°	31		
8	084°	08	26	264°	--	1	Abu Musa Island
--	008°	01	19	188°	19	25	Al Ain Intl
13	128°	•13L	31R	•308°	31	4	Al Dhafra AFB
--	128°	13R	31L	308°	--		
--	122°	12	30	302°	30	6	Al Maktoum Intl
--	090°	09	27	270°	27	12	Al Minhad AFB
13	129°	13	31	309°	--	23	Al-Bateen
--	028°	03L	21R	208°	--	2	Bandar Abbas Intl
3	028°	•03R	21L	•208°	--		
8	082°	08	26	262°	--	3	Bandar Lengeh
6	062°	06	24	242°	--	21	Bandar-e-Jask
12	122°	•12L	30R	•302°	30	5	Dubai Intl
--	122°	12R	30L	302°	--		
--	113°	11	29	293°	29	7	Fujairah Intl
--	079°	08	26	259°	26	9	Havadarya
13	128°	13	31	308°	--	27	Jiroft
--	158°	16	34	338°	34	18	Kerman
--	014°	01	19	194°	19	10	Khasab
10	096°	•10*	28*	•276°	28	24	Kish Intl
--	096°	09R	27L	276°	--		<i>*Painted as 09L-27R</i>
9	090°	09	27	270°	--	11	Lar
11	112°	11	29	292°	--	26	Lavan Island
13	132°	13	31	312°	--	29	Liwa AFB
--	050°	05	23	230°	23	13	Qeshm Island
--	090°	09	27	270°	27	30	Quasoura_airport *
							<i>*Underscore isn't a typo</i>
--	165°	•17*	35*	•345°	35	28	Ras Al Khaimah Intl
							<i>*Painted as 16-34</i>
--	162°	16	34	342°	16	20	Sas Al Nakheel
12	123°	•12L	30R	•303°	30	14	Sharjah Intl
--	123°	12R	30L	303°	--		
11	117°	•11L	29R	•297°	29	19	Shiraz Intl
--	117°	11R	29L	297°	--		
--	100°	10	28	280°	28	17	Sir Abu Nuayr
--	127°	12	30	307°	30	15	Sirri Island
3	028°	03	21	208°	--	8	Tunb Island AFB
--	081°	08	26	261°	26	16	Tunb Kochak

Sinai 1 October 2022

SUMMER SEASON ONLY

13	132°	13	31	312°	--	26	Abu Rudeis
--	091°	09	27	271°	--	2	Abu Suwayr
11	112°	11	29	292°	29		
14	147°	14L	32R	327°	32	44	Al Bahr al Ahmar
--	147°	14R	32L	327°	--		
--	129°	13	31	309°	31	4	Al Ismailiyah
--	030°	02L	20R	210°	20	31	Al Khatatbah
--	030°	02R	20L	210°	--		
11	120°	11L	29R	300°	29		
14	139°	14	32	319°	32	14	Al Mansurah
--	166°	17	35	346°	--		
--	160°	16	34	340°	34	32	Al Rahmaniyyah Air Base
2	018°	02L	20R	198°	20	3	As Salihyah
--	018°	02R	20L	198°	--		
--	183°	18L	36R	003°	--	15	AzZaqaziq
18	183°	18R	36L	003°	36		
--	076°	07	25	256°	25	27	Baluza
3	028°	03	21	208°	21	24	Ben-Gurion
8	079°	08	26	259°	--		
--	120°	12	30	300°	--		
--	057°	05	23	237°	--	33	Beni Suef
18	189°	18L	36R	009°	36		
--	189°	18R	36L	009°	36		
--	045°	04	22	225°	--	16	Bilbeis Air Base
--	096°	09	27	276°	--		
--	094°	09R	27L	274°	27		
17	170°	17L	35R	350°	35		
--	170°	17R	35L	350°	--		
--	120°	12	30	300°	30	28	Bir Hasanah
14	145°	14L	32R	325°	32	34	Birma Air Base
--	145°	14R	32L	325°	--		
14	145°	14L	32R	325°	14	35	Borg El Arab International Airport
32	145°	14R	32L	325°	32		
--	050°	05L	23R	230°	--	17	Cairo International Airport
5	050°	05C	23C	230°	--		
5	050°	05R	23L	230°	23		
--	107°	10	28	282°	28	18	Cairo West
--	167°	16L	34R	342°	--		
16	167°	16R	34L	342°	34		
5	047°	05L	23R	227°	23	48	Damascus Intl
--	047°	05R	23L	227°	--		
--	091°	09	27	271°	--	1	Difarsuwar Airfield
18	181°	18	36	001°	36		
--	157°	16L	34R	337°	--	29	El Arish
16	157°	16R	34L	337°	34		
8	075°	08	26	255°	--	30	El Gora
--	158°	16L	34R	338°	--	36	El Minya
16	158°	16R	34L	338°	34		
--	081°	09	27	271°	27	6	Fayed

Sinai (continued)

15	154°	15	33	334°	33	37	Gebel El Basur Air Base
--	187°	18	36	007°	--		
10	104°	10L	28R	284°	28	7	Hatzerim
--	104°	10R	28L	284°	--		
--	143°	15	33	323°	--		
5	054°	05	23	234°	23	20	Hatzor
--	111°	11L	29R	291°	29		
--	111°	11R	29L	291°	--		
--	165°	16L	34R	345°	--	38	Hurghada International Airport
16	165°	16R	34L	345°	34		
--	048°	04	22	228°	--	19	Inshas Airbase
9	092°	09	27	272°	27		
--	114°	11	29	294°	--	39	Jiyanklis Air Base
12	125°	12	30	305°	30		
--	103°	10	28	283°	28	12	Kedem
--	136°	14L	32R	316°	--	11	Kibrit Air Base
14	136°	14R	32L	316°	32		
15	153°	15	33	333°	33	40	Kom Awshim
--	164°	16	34	344°	--		
--	146°	15L	33R	326°	--	5	Melez
15	146°	15R	33L	326°	33		
6	058°	06	24	238°	--	49	Mezzeh Air Base
7	076°	07	25	256°	25	8	Nevatim
--	076°	08L	26R	256°	--		
8	076°	08R	26L	256°	--		
3	021°	03L	21R	201°	21	10	Ovda
--	021°	03R	21L	201°	--		
--	024°	03L	21R	204°	--	21	Palmachim
3	024°	03R	21L	204°	--		
16	167°	16	34	347°	--	45	Quwaysina
--	031°	03	21	211°	--	46	Rafic Hariri Intl
16	166°	16	34	346°	34		
--	176°	17	35	356°	--		
9	085°	09	27	265°	--	50	Ramat David
--	107°	11	29	287°	--		
15	143°	15	33	323°	33		
--	066°	07L	25R	246°	--	9	Ramon Airbase
7	066°	07R	25L	246°	25		
--	013°	01	19	193°	19	41	Ramon International Airport
--	027°	03	21	207°	21	22	Sde Dov
4	042°	04L	22R	222°	22	42	Sharm El Sheikh International Airport
--	042°	04R	22L	222°	--		
--	171°	17	35	351°	35	25	St Catherine
6	063°	06L	24R	243°	24	47	Tabuk
--	131°	13	31	311°	--		
--	150°	15L	33R	330°	33	23	Tel Nof
--	150°	15R	33L	330°	--		
18	182°	18	36	002°	36		

Sinai (continued)

--	014°	01L	19R	194°	--	43	Wadi Abu Rish
1	014°	•01R	19L	•194°	19		
1	016°	•01L	19R	•196°	19	13	Wadi al Jandali
--	016°	01R	19L	196°	--		

South Atlantic 9 June 2024

SUMMER: 1 OCTOBER - 31 MAY

WINTER: 1 JUNE - 30 SEPTEMBER

4	041°	04	22	221°	22	19	Almirante Schroeders
--	127°	12	30	307°	--		
--	080°	08	26	260°	26	16	Comandante Luis Piedrabuena
7	062°	07	26	242°	--	28	Cullen
--	073°	07	25	253°	25	14	El Calafate
--	017°	01	19	197°	--	23	Franco Bianco
7	077°	07	25	257°	25		
--	094°	10	28	274°	28	26	Gobernador Gregores
14	139°	14	32	319°	--	24	Goose Green
--	036°	04	22	216°	--	29	Gull Point
15	152°	15	33	332°	33		
--	011°	01	19	191°	19	25	Hipico Flying Club
--	054°	05	23	234°	--	2	Mount Pleasant
10	104°	10	28	284°	28		
--	158°	16	34	338°	34	27	O'Higgins
--	080°	08	26	260°	26	10	Pampa Guanaco
--	089°	09	27	269°	27	1	Port Stanley
--	036°	03	21	216°	--	18	Porvenir
9	099°	09	27	279°	27		
--	107°	10	28	287°	28	13	Puerto Natales
7	069°	07	25	249°	--	15	Puerto Santa Cruz
8	082°	08	26	262°	--	12	Puerto Williams
--	017°	01	19	197°	--	9	Punta Arenas
--	078°	07	25	258°	25		
12	128°	12	30	308°	30		
8	084°	08	26	264°	--	21	Rio Chico
--	076°	07	25	256°	25	5	Rio Gallegos
8	079°	08	26	259°	--	6	Rio Grande
--	059°	06	24	239°	24	20	Rio Turbio
11	108°	11	27	288°	--	3	San Carlos FOB
--	071°	07	25	251°	25	11	San Julian
7	077°	07	25	257°	--	17	Tolhuin
7	077°	07	25	257°	--	7	Ushuaia
16	170°	16	34	350°	--	8	Ushuaia Helo Port

Syria 1 June 2020

THE NAMELESS / GENERIC 'H' HELIPADS ARE OMITTED

SUMMER SEASON ONLY

--	094°	09	27	274°	27	1	Abu al-Duhur
--	056°	05	23	236°	23	2	Adana Sakirpasa
10	111°	10	28	291°	--	44	Akrotiri
--	102°	10	28	282°	28	3	Al Qusayr
--	066°	06	24	246°	24	9	Al-Dumayr
--	098°	09	27	278°	27	27	Aleppo
--	045°	04	22	225°	22	4	An Nasiriyah
--	----	NO	RUNWAY	----	--	63	At Tanf
17	179°	17L	35R	359°	--	21	Bassel Al-Assad
--	179°	17R	35L	359°	--		
3	035°	03	21	215°	--	6	Beirut-Rafic Hariri
--	169°	16	34	349°	--		
17	179°	17	35	359°	35		
--	031°	03	21	211°	21	221	Ben Gurion
--	082°	08	26	262°	--		
12	124°	12	30	304°	30		
5	050°	05L	23R	230°	23	7	Damascus
--	050°	05R	23L	230°	--		
10	109°	10	28	289°	--	42	Deir ez-Zor
11	115°	11	29	295°	--	49	Ercan
--	100°	09	27	280°	27	10	Eyn Shemer
10	106°	10	28	286°	--	11	Gaziantep
8	086°	08	26	266°	--	41	Gazipasa
9	094°	09	27	274°	--	50	Gecitkale
--	065°	06	24	245°	--	53	H3
11	112°	11	29	292°	29		
--	118°	12	30	302°	30	54	H3 Northwest
--	117°	12	30	301°	30	55	H3 Southwest
--	103°	10	28	283°	28	12	H4
--	162°	16	34	342°	34	13	Haifa
--	100°	09	27	280°	27	14	Hama
--	044°	04	22	224°	22	15	Hatay
5	057°	05	23	237°	23	222	Hatzor
11	114°	11L	29L	294°	--		
--	114°	11R	29R	294°	--		
--	111°	10	28	291°	28	66	Herzliya
5	055°	05	23	235°	--	16	Incirlik
10	101°	10	28	281°	--	17	Jirah
--	076°	07	25	256°	--	18	Khalkhalah
15	151°	15	33	331°	33		
--	----	NO	RUNWAY	----	--	59	Kharab Ishk
--	132°	13	31	312°	31	65	King Abdullah
--	132°	13	31	312°	31	19	King Hussein Air College
--	064°	06	24	244°	24	45	Kingsfield

Syria (continued)

3	038°	03	21	218°	--	20	Kiryat Shmona
10	101°	10	28	281°	--	31	Kuweires
17	175°	17	35	355°	--	48	Lakatamia
4	048°	04	22	228°	--	47	Larnaca
8	081°	08	26	261°	--	22	Marj as Sultan North
9	090°	09	27	270°	--	8	Marj as Sultan South
6	064°	06L	24R	244°	--	23	Marj Ruhayyil
--	064°	06R	24L	244°	--		
--	066°	06	24	246°	24	67	Marka
9	093°	09	27	273°	--	24	Megiddo
--	062°	06	24	242°	24	25	Mezzeh
10	102°	10	28	282°	28	26	Minakh
8	081°	08	26	261°	26	68	Muwaffaq Salti
--	132°	13	31	312°	--		
--	----	NO	RUNWAY	----	--	52	Naqoura
--	092°	09	27	272°	--	43	Nicosia
14	148°	14	32	328°	32		
--	027°	03L	21R	207°	--	223	Palmachim
3	027°	03R	21L	207°	21		
--	085°	08	26	265°	26	28	Palmyra
11	114°	11	29	294°	--	46	Paphos
16	167°	16	34	347°	--	51	Pinarbashi
--	132°	13	31	312°	31	64	Prince Hassan
5	059°	05	23	239°	--	29	Qabr as Sitt
--	089°	09	27	269°	--	30	Ramat David
11	110°	11	29	290°	--		
15	147°	15	33	327°	33		
4	047°	04	22	227°	--	32	Rayak
6	064°	06	24	244°	--	33	Rene Mouawad
--	054°	05	23	234°	--	34	Rosh Pina
--	152°	15	33	332°	33		
--	096°	09	27	276°	27	57	Ruwayshid
--	042°	04	22	222°	22	58	Sanliurfa
--	061°	05	23	241°	--	35	Sayqal
8	091°	08	26	271°	--		
11	112°	11	29	292°	--	36	Shayrat
9	093°	09	27	273°	--	37	Tabqa
--	101°	10	28	281°	28	38	Taftanaz
10	103°	10	28	283°	--	60	Tal Siman
15	153°	15L	33R	333°	33	220	Tel Nof
--	153°	15R	33L	333°	--		
18	185°	18	36	005°	--		
5	058°	05	23	238°	--	5	Tha'lah
--	090°	09	27	270°	27	39	Tiyas
--	029°	02	20	209°	20	40	Wujah Al Hajar

The Channel 21 June 2016

SUMMER: 1 MARCH - 30 NOVEMBER

WINTER: 1 DECEMBER - 29 FEBRUARY

2	023°	02	20	203°	20	1	Abbeville Drucat
--	090°	09	27	270°	--		
--	132°	13	31	312°	--		
--	028°	04	22	208°	--	14	Biggin Hill
5	048°	05	23	228°	23		
--	108°	12	30	288°	30		
--	046°	05	23	226°	23	8	Detling
8	081°	08	26	261°	--	4	Dunkirk Mardyck
--	022°	02	20	202°	--	10	Eastchurch
10	098°	10	28	278°	28		
1	000°	01	19	180°	19	6	Hawkinge
--	040°	05	23	220°	--		
--	012°	02	20	192°	--	13	Headcorn
10	092°	10	29	272°	29		
--	031°	04	22	211°	--	12	High Halden
11	102°	11	29	282°	29		
--	018°	02	20	198°	--	7	Lympne
13	133°	13	31	313°	--		
--	157°	16	34	337°	--		
4	057°	06	24	237°	--	5	Manston
10	102°	10	28	282°	28		
--	038°	04	22	218°	--	2	Merville Calonne
--	078°	08	26	258°	--		
14	139°	14	32	319°	32		
--	030°	03	21	210°	--	3	Saint Omer
8	087°	08	26	267°	--		Longuenesse