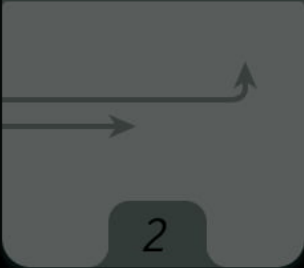
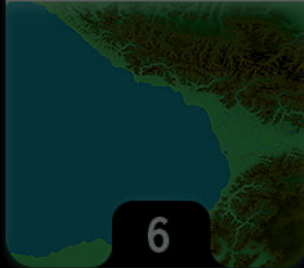
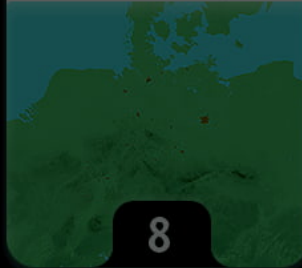
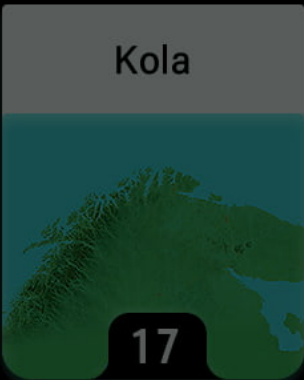
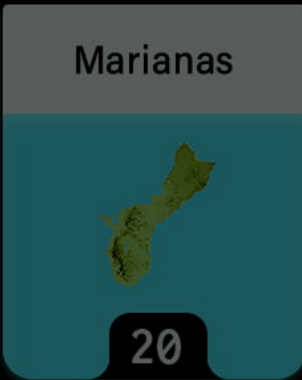
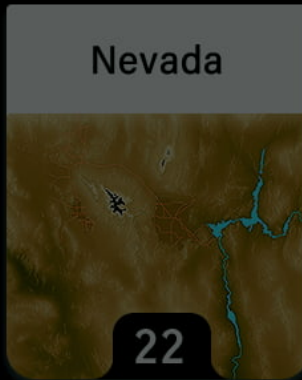
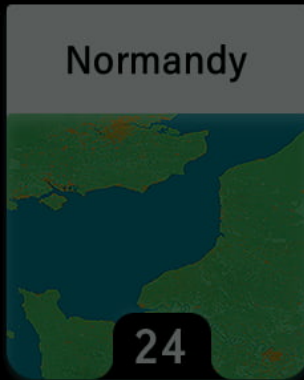
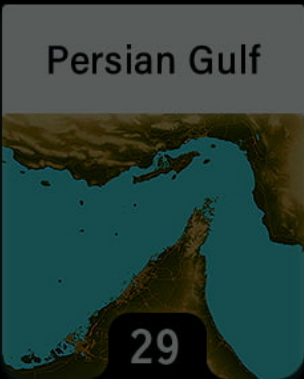
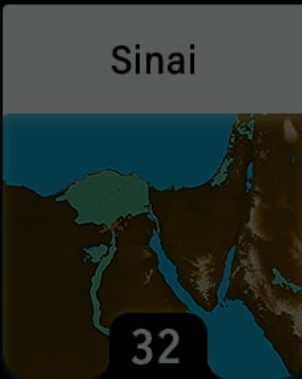
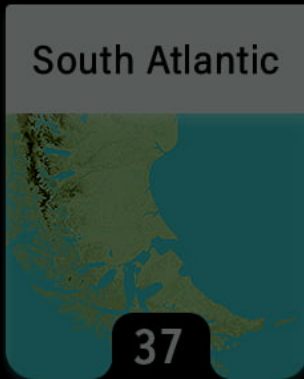
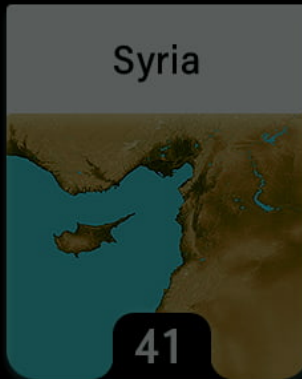
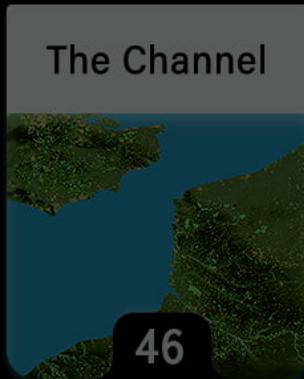


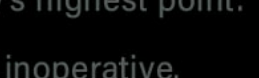
AERODROME DATA AND FREQUENCIES

ADF

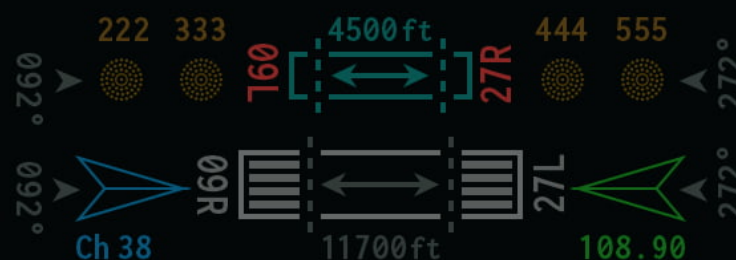
<i>Legends</i>  2	Afghanistan  3	Caucasus  6	Cold War Germany  8	Iraq  15
Kola  17	Marianas  20	Marianas WWII  21	Nevada  22	Normandy  24
Persian Gulf  29	Sinai  32	South Atlantic  37	Syria  41	The Channel  46
<i>Extras</i> True headings, Airbase IDs, and more 48				

02 JULY 2025

Tables

- 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.

 - 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.
- 2** The name in gray indicates a closed aerodrome. Parentheses around name mean there is no ATC.
- 3** Indicates that the tables have important remarks regarding this aerodrome.
- 4 Local nav aids.** Not listed if a nav aid is inoperative. See #3 in the above section. In this format, only the availability of the ILS and PRMG is indicated, without providing their frequencies.

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	
							▲ THE SEEMINGLY MISSING RUNWAY SURFACE IS 'CORRECT AS IS'	
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	

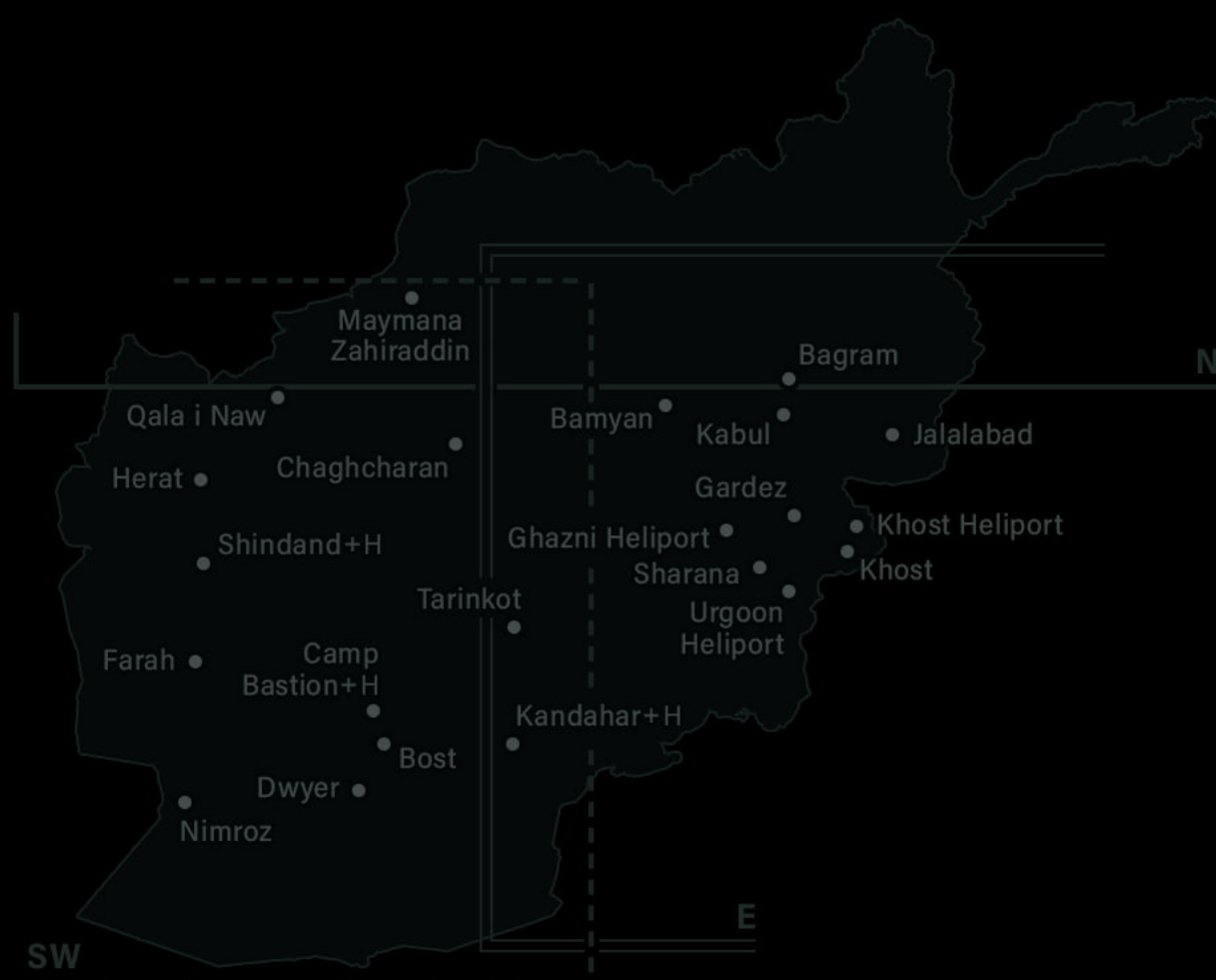
MAP REGIONS: (N)ORTH, (E)AST, (S)OUTHWEST

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°

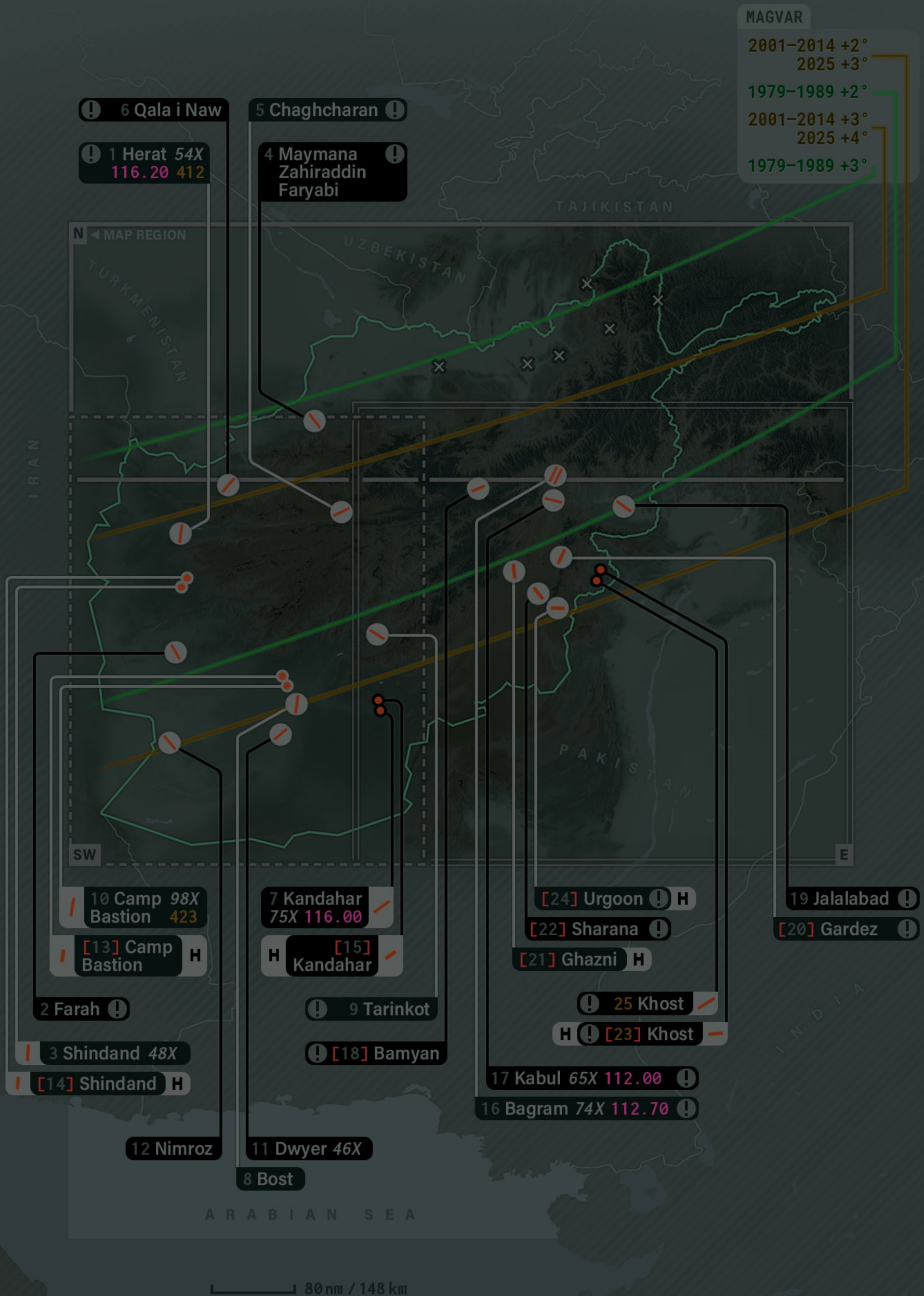
S–U

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):

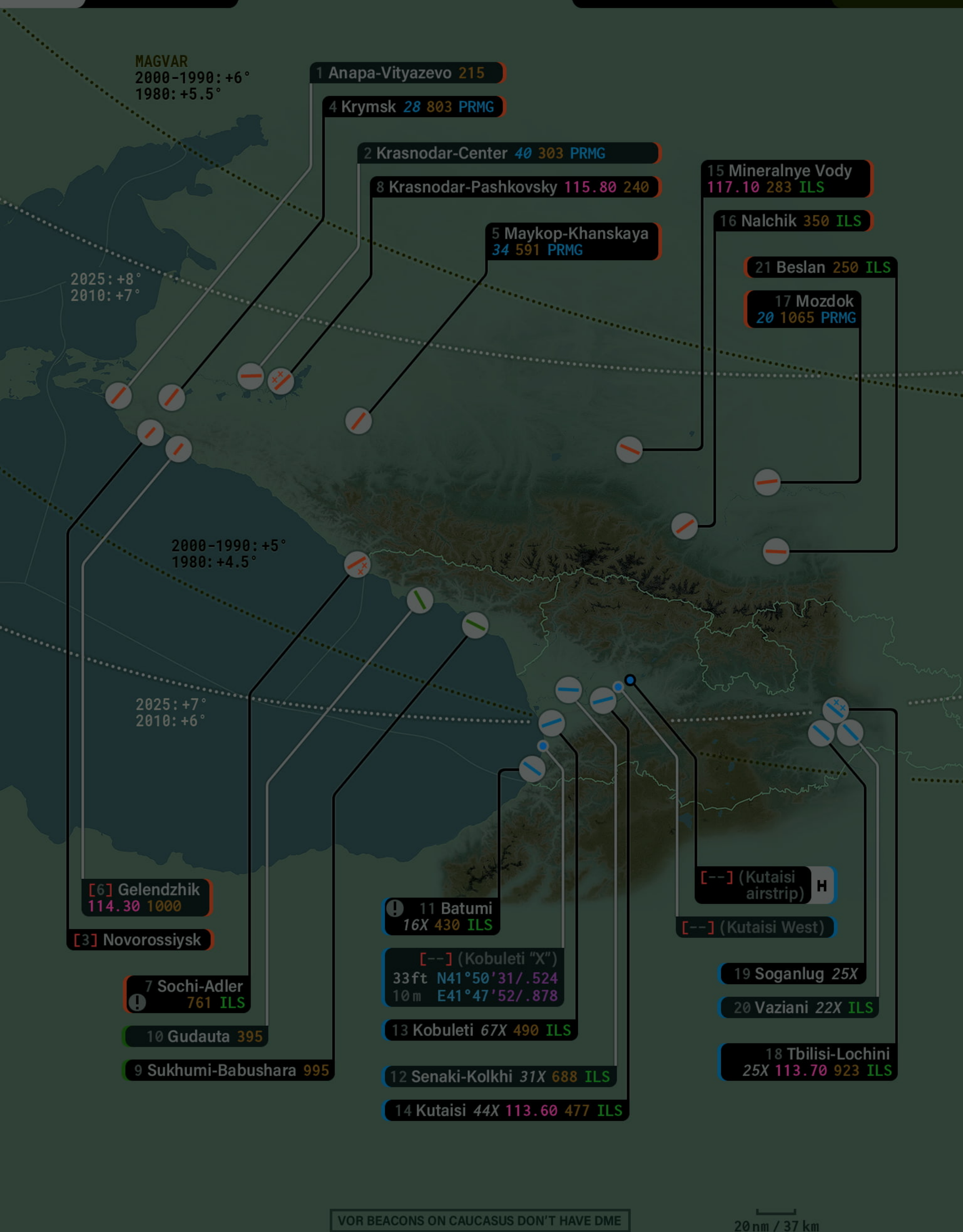
1930–1947 0° 1948–2005 +1° 2006–2023 0° 2024–2030 -1°



		VOR BEACONS		LENGTH: FEET		ILS or	OUTER INNER		MAG	
AB - ABKHAZIA		ON CAUCASUS DON'T HAVE DME		METERS		PRMG	NDB	NDB	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,	2800	025° 03	2800	156°	16	✂
GE	N41°50'31/.524 E41°47'52/.878	10		UNMARKED	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,	2800			081°	09
GE	N42°15'58/.972 E42°39'31/.526	140		UNMARKED	850			261°	27	✂
--	Kutaisi West		361		CLOSED, NO ATC,	4100			081°	09
GE	N42°14'58/.978 E42°37'22/.373	110		UNMARKED	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;	063° 06	5400	24	243°		
FRG	N49°22'09/.159	E09°26'25/.423	312		NO ATC	NO SPAWNS; LANDABLE; • TREES					
161	Airracg 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	Airracg 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	Airracg 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 Durkheim		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			
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 20^		325<668 ^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^ 101° 09C 1800 101° 09R 7400	^108.30 27C 281° 27L 281°	101
						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 9^	295<609.5 ^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 RWY10-28 PAINTED AS 09-27	718<350	
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 38^	976<1247	
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 37^	476<965 ^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>425 110.30^	425<357	
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 6^	300<620 ^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°

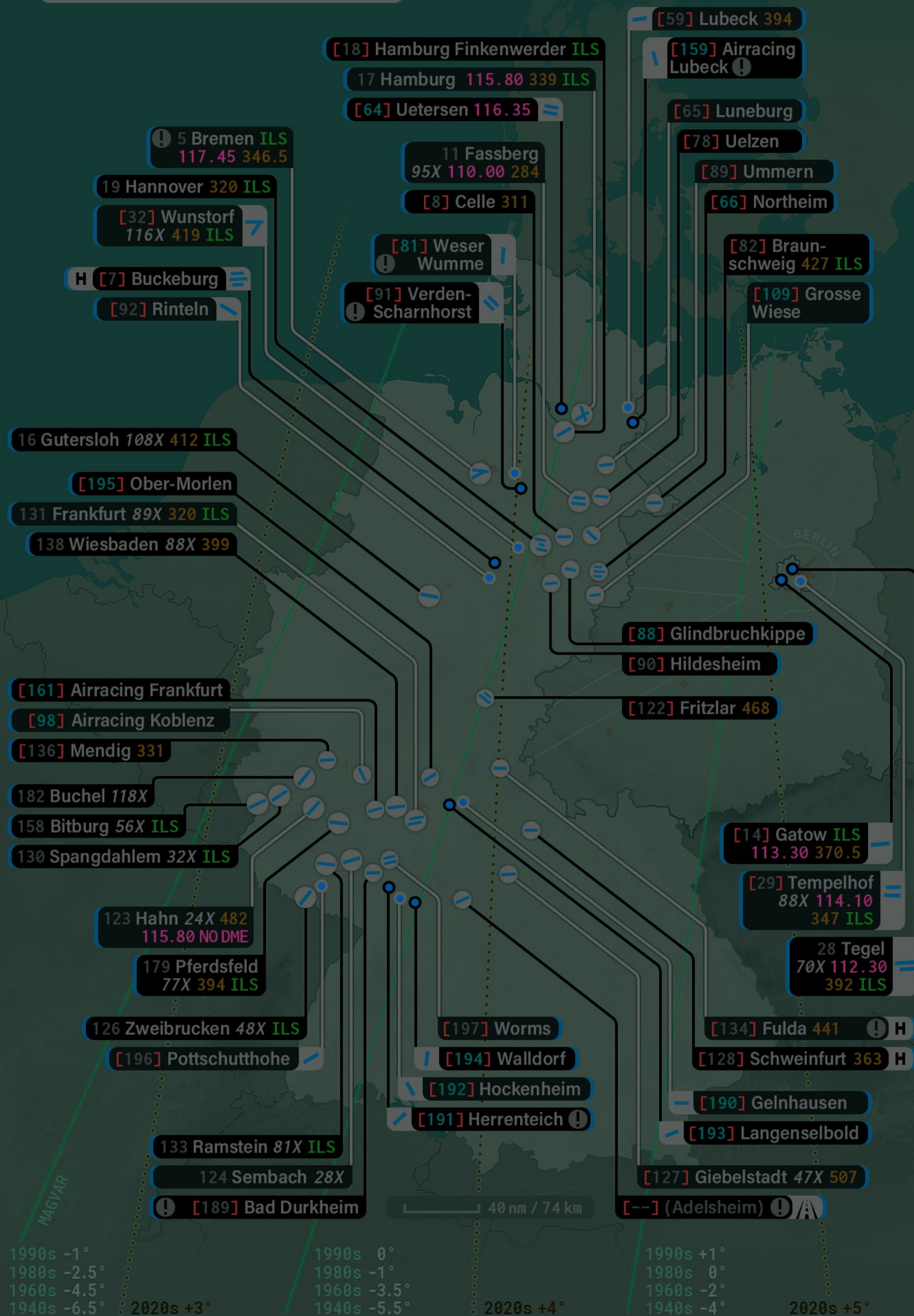
Mer—Teg

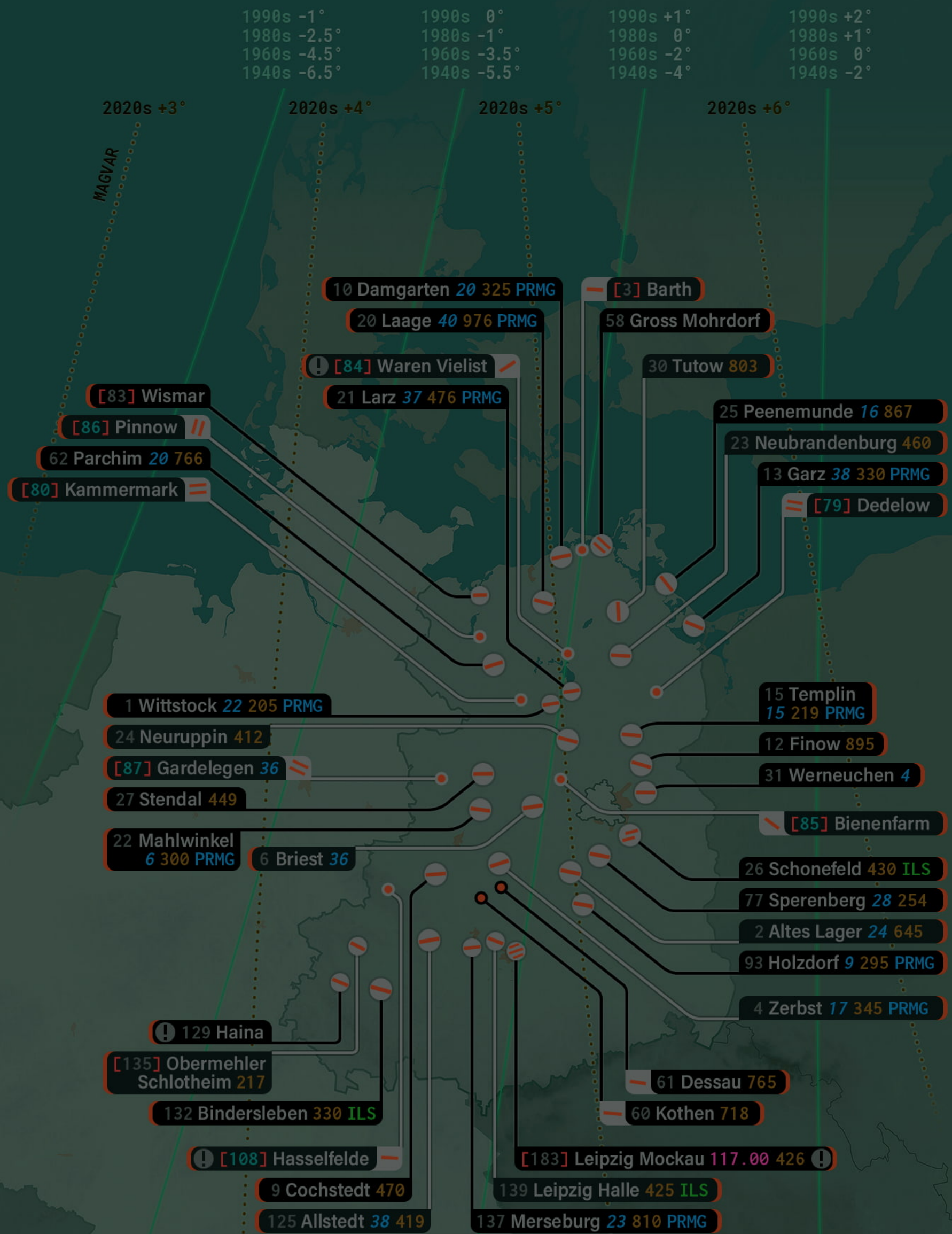
137	Merseburg	EDAM	340	23	127.20	4.825	082° 09	7700	27	262°	
GDR	N51°21'50/.838	E11°56'59/.999	104		252.15	40.55	398>810		810<398		—
	EDAM code is also used by Zweibrucken										
							23^		^23		
							RWY09-27 PAINTED AS 08-26				
23	Neubrandenburg	EDBN	177		124.50	4.275	093° 09	7200	27	273°	—
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	EDOV	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 West Berlin / FR	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°		

All territories except East Germany and East Berlin





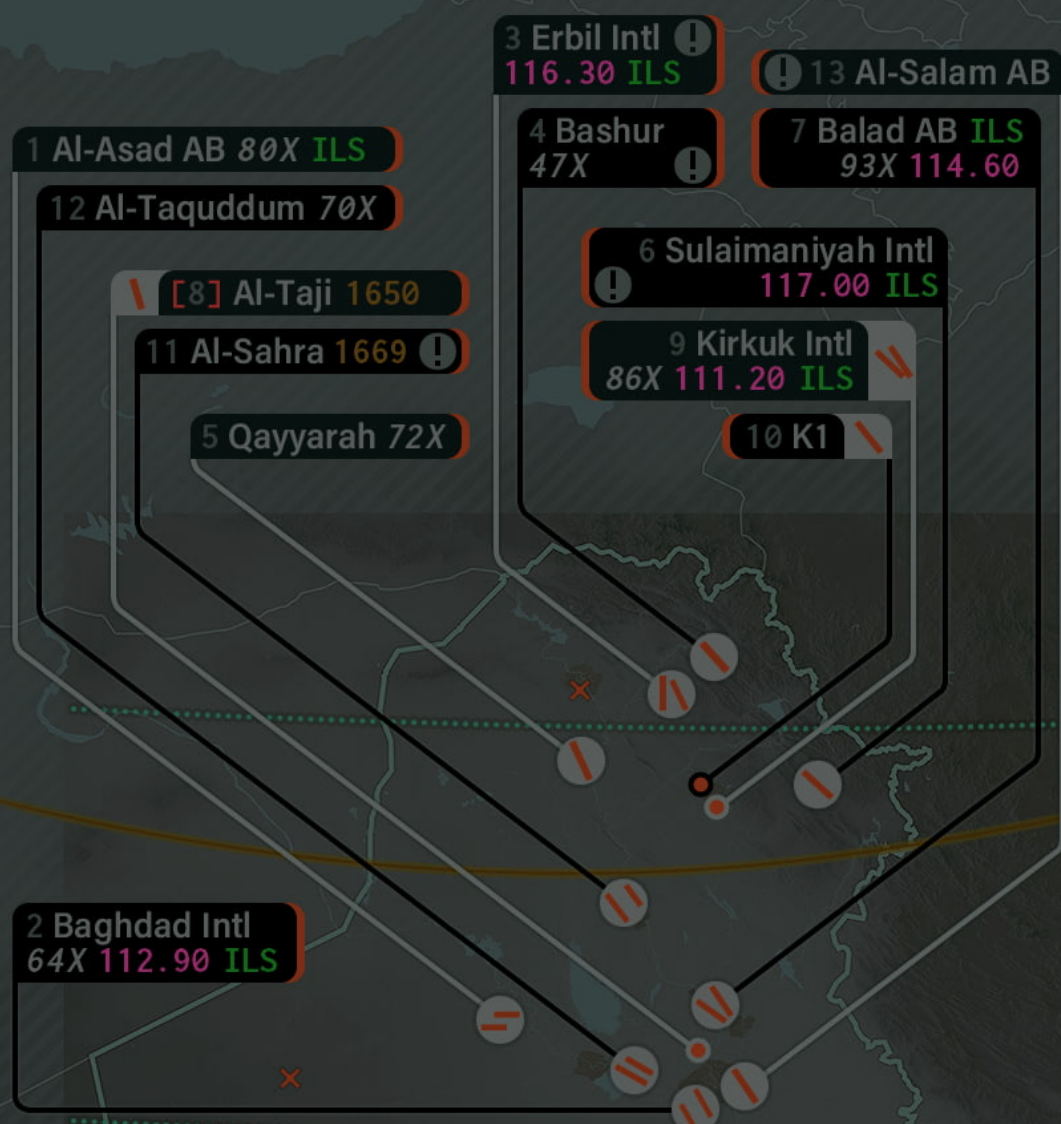
1	Al-Asad Airbase	ORAA	N	610	80X	131.20	3.900	085° 09L 12800 27R 265°	
IQ	N33°46'52/	.875	E42°25'39/	.655	186	363.70	38.70	ILS^ ^108.90	—
								085°•09R 12800 27L•265°	
11	Al-Sahra	ORSH	N	434	1669	118.05	3.825	139° 14L 7000 32R 319°	
IQ	N34°40'04/	.078	E43°32'11/	.183	132 (1.67 MHz)	250.15	38.55	139°•14R 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	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	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	32 321° ^109.10	—
								141° 14 8200	
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°

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

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		MOUNTAINS: WEST ^108.30	
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 HILLS: NORTH-EAST; MOUNTAINS	
				320							
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			^ILS	
11	Jokkmokk	ESNJ	895		123.30	3.825	123° C	2100	C	303°	
SE	N66°29'46/	.780	E20°08'49/	.825	273	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	301.10	38.65			098° 11 2400 29 278° 161°•17 3700 35• 341° UNLIT RWYS; TALL TREES	
				south-west of Kiruna							
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			ILS^	
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°		

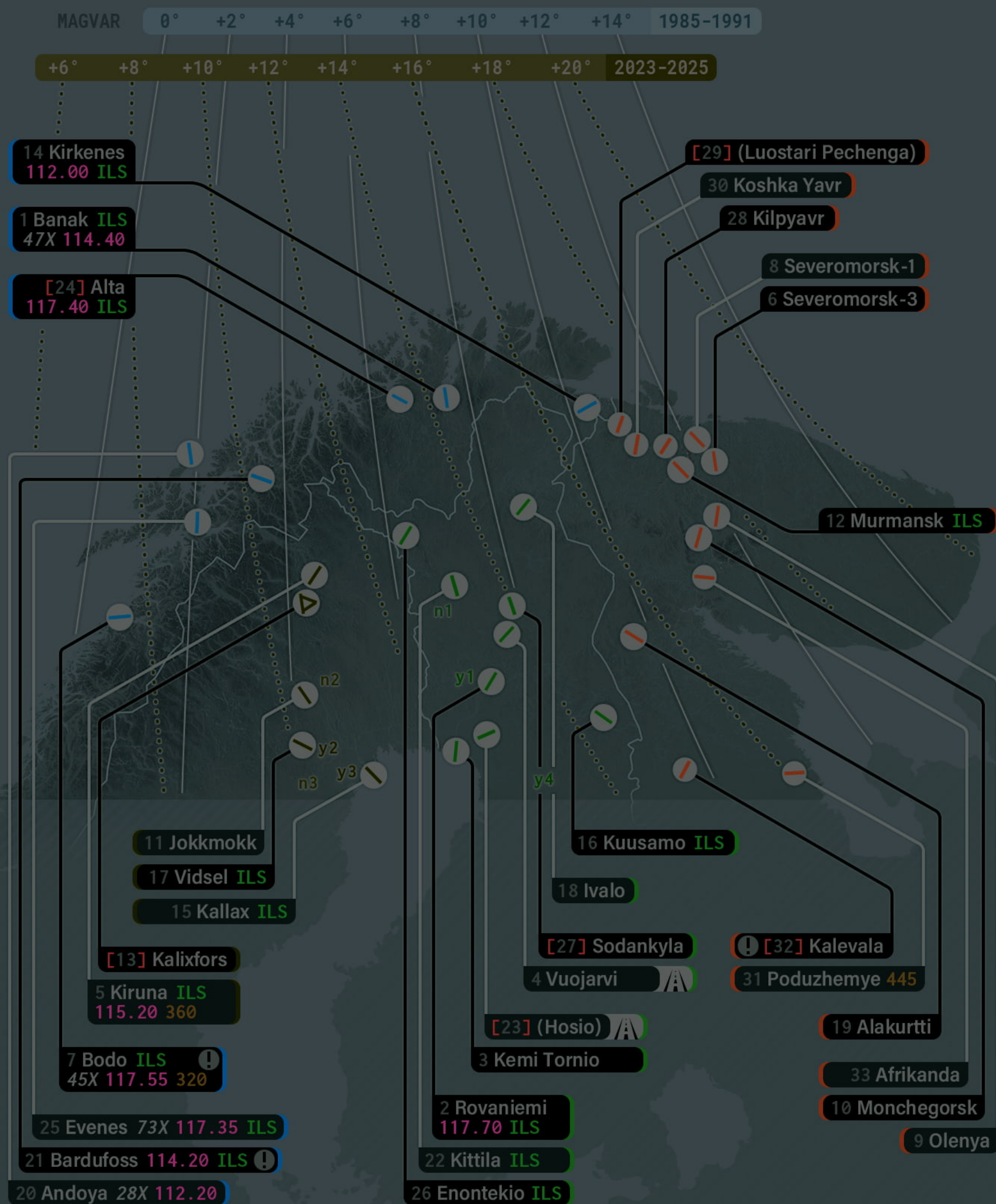
Kit–V

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	120.10	3.925	071° 09	8000	27	251°	
RU	N64°55'07/.119 E34°15'46/.778	48	eastward)	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

● 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 160
16°01N
146°03E

Saipan 110
Tinian
● 2 Saipan
● 3 Tinian
Aguijan
14°51N 145°33E

1 Rota
Rota 35

2025: +1°
2000: +2°

0 nm

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°

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°

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:
E144°51'29/.487 7600

xxx

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°

4 Antonio B. Won Pat
[5] (Olf Orote)

6 Andersen AFB

[8] (North West Field)

Rota

Guam

20 nm / 37 km

● Farallon de Pajaros
20°01N 145°13E

● Maug
20°01N 145°13E

● Asuncion
19°42N
145°24E

MAGVAR
2025: -1°
1944-1975: 0°
1940: +0.5°

● 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)

Aguigan

14°51N 145°33E

5 Gurguan Point

10 Ushi

[3] Airfield 3

Rota

9 Rota

! [--] (Dededo)

1 Agana

2 Orote

Guam

2025: +0.5°
1955-1975: +2°
1944: +1.5°
1940: +2°

2025: 0°
1944-1975: +1°
1940: +1.5°

20 nm / 37 km

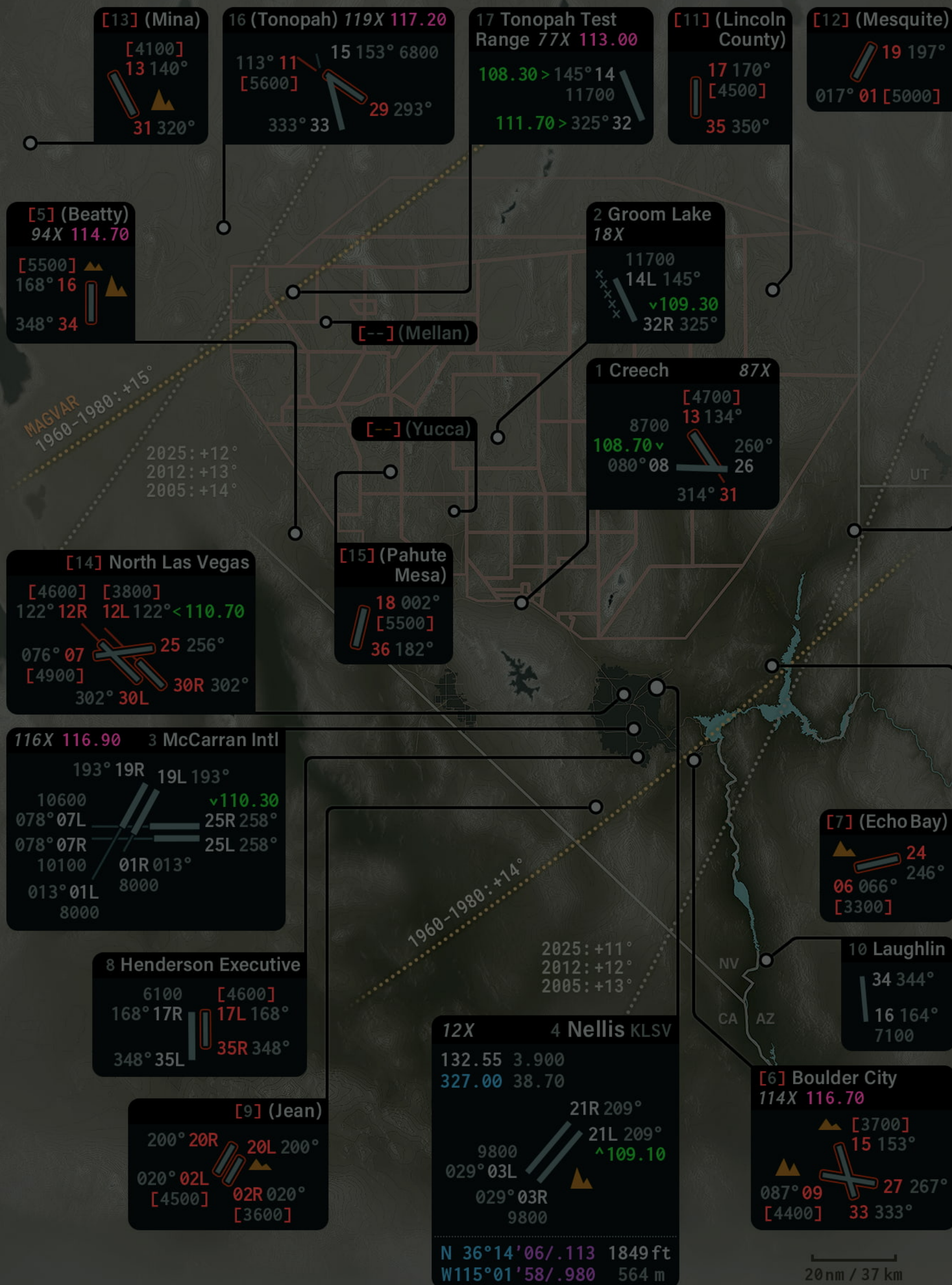
1	Agana	258	118.10	3.800	068° 07	4000	25	248°	
	N 13°28'57/.951	79	250.10	38.50					
	E144°47'22/.380								
3	Airfield 3	121	118.20	3.850	096° 10	3400	28	276°	
	N 15°04'04/.081	37	250.20	38.60					
	E145°38'05/.083								
--	Airfield 4	315	UNMARKED;		050° 05	2900	23	230°	
	N 14°58'55/.926	96	ABANDONED;						
	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	3173	94X	NO ATC	168° 16	5500	34	348°	
	N36°51'39/.660 W116°47'11/.185	968	114.70						
6	Boulder City KBVU	2205	114X	118.05 3.925	087° 09	4400	27	267°	
	N35°56'55/.919 W114°51'42/.709	672	116.70	250.10 38.75	153° 15	3700	33	333°	
1	Creech KINS	3126	87X	118.30 3.825	080° 08	8700	26	260°	
	N36°35'01/.029 W115°40'35/.586	954		360.60 38.55	108.70^				
					134° 13	4700	31	314°	
					ILS^				
7	Echo Bay 0L9	1549		NO ATC	066° 06	3300	24	246°	
	N36°18'39/.663 W114°27'50/.833	473							
2	Groom Lake KXTA	4495	18X	118.00 3.850	145° 14L	11700	32R	325°	
	N37°13'59/.990 W115°47'32/.540	1370		250.05 38.60			^109.30		
					145° 14R	17800	32L	325°	
					^^^	CLOSED	^^^		
8	Henderson Executive KHND	2493		125.10 3.950	168° 17L	4600	35R	348°	
	N35°58'26/.439 W115°07'58/.983	760		250.15 38.80	168° 17R	6100	35L	348°	
9	Jean	2825		NO ATC	020° 02L	4500	20R	200°	
	N35°46'09/.151 W115°19'46/.774	861			020° 02R	3600	20L	200°	
10	Laughlin, AZ KIFP	673		123.90 3.750	164° 16	7100	34	344°	
	N35°09'21/.366 W114°33'34/.567	206		250.00 38.40					
11	Lincoln County	4816		NO ATC	170° 17	4500	35	350°	
	N37°47'14/.241 W114°25'11/.194	1468							
3	McCarran International KLAS	2178	116X	119.90 3.875	013° 01L	8000	19R	193°	
	N36°04'35/.584 W115°08'40/.677	664	116.90	257.80 38.65	013° 01R	8000	19L	193°	
					078° 07L	10600	25R	258°	
							^110.30		
					078° 07R	10100	25L	258°	
							^ILS		
--	Mellan airstrip	5396		CLOSED, NO ATC, UNMARKED, BUMPY	112° 11	4200	29	292°	
	N37°41'02/.049 W116°37'25/.416	1645			152° 15	4800	33	332°	
12	Mesquite 67L	1859		NO ATC	017° 01	5000	19	197°	
	N36°49'59/.987 W114°03'21/.354	566							
13	Mina	4560		NO ATC	140° 13	4100	31	320°	
	N38°22'47/.787 W118°05'48/.800	1390							
4	Nellis KLSV	1849	12X	132.55 3.900	029° 03L	9800	21R	209°	
	N36°14'06/.113 W115°01'58/.980	564		327.00 38.70	029° 03R	9800	21L	209°	
	RWY21L TDZ: N 36°14'36.19"/.603' W115°01'26.94"/.449'						^109.10		
14	North Las Vegas KVG T	2228		125.70 3.775	076° 07	4900	25	256°	
	N36°12'48/.808 W115°11'41/.686	679		360.75 38.45	122° 12L	3800	30R	302°	
					110.70^				
					122° 12R	4600	30L	302°	
15	Pahute Mesa	5059		NO ATC	182° 18	5500	36	002°	
	N37°06'07/.119 W116°18'46/.770	1542							
16	Tonopah KTPH	5390	119X	NO ATC	113° 11	5600	29	293°	
	N38°03'44/.745 W117°04'59/.997	1643	117.20		153° 15	6800	33	333°	
17	Tonopah Test Range KTNX	5535	77X	124.75 3.800	145° 14	11700	32	325°	
	N37°47'55/.932 W116°46'50/.847	1687	113.00	257.95 38.50	108.30^		^111.70		
--	Yucca airstrip	3943		CLOSED, NO ATC, UNMARKED	008° 01	5800	19	188°	
	N36°56'06/.104 W116°00'20/.347	1202				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	568		134.80	5.400	033°·03	4800	21·213°	
	N51°19'38/.646 E00°01'57/.954	173		253.30	41.70	053° 05	2500	23 233°	
						113° 11	2800	29 293°	
27	Chailey	95		119.05	4.200	082° 07	4200	25 262°	
	N50°57'08/.149 W00°02'50/.844	29		250.90	39.35	161°·15	3500	33·341°	
54	Deanland	72	• RWY 34:	120.55	4.925	063° 22	3800	34 243°	
	N50°53'03/.059 E00°09'40/.680	22	HUGE BUMP	252.35	40.80				
73	Detling	593		118.45	5.450	051° 04	3700	22 231°	
	N51°18'20/.346 E00°36'05/.092	181		253.40	41.80				
81	Eastchurch	34		119.25	5.675	032°·02	2200	20·212°	
	N51°23'26/.442 E00°51'11/.193	10		253.85	42.25	117° 09	2600	27 297°	
52	Farnborough	246	17	120.45	4.875	071° 06	4700	24 251°	
	N51°16'43/.722 W00°46'28/.480	75	06 x 29	252.25	40.70	116° 11	3000	29 296°	
						182°·17	4000	35·002°	
31	Ford	29		119.35	4.325	067° 06	5600	24 247°	
	N50°49'05/.085 W00°35'26/.443	9		251.15	39.60	153°·14	4500	32·333°	
53	Friston	309		120.50	4.900	069° 06	3700	24 249°	
	N50°45'42/.704 E00°10'17/.289	94		252.30	40.75				
29	Funtington	125		119.15	4.250	095° 08	6700	26 275°	
	N50°52'05/.088 W00°52'08/.144	38		251.00	39.45	160°·15	5000	33·340°	
66	Gravesend	232	UNEVEN	121.20	5.250	187° 18	5000	36 007°	
	N51°25'04/.079 E00°23'48/.802	71	RUNWAY	253.00	41.40				
82	Hawkinge	543		121.80	5.700	022° 01	2900	19 202°	
	N51°06'42/.702 E01°09'29/.483	166		253.90	42.30	050°·07	3300	25·230°	
80	Headcorn	66		121.75	5.650	111°·10	4200	28·291°	
	N51°09'22/.377 E00°38'39/.654	20		253.80	42.20	187° 18	3100	36 007°	
50	Heathrow	89		CLOSED, NO ATC		098° 12	8700	30 278°	
	N51°28'39/.657 W00°27'12/.216	27						xxxx	
78	High Halden	113		121.65	5.575	035°·04	4100	22·215°	
	N51°07'28/.468 E00°42'19/.331	34		253.65	42.05	106° 11	3700	29 286°	
43	Kenley	561	• RWY 30:	120.00	4.650	031° 02	3000	20 211°	
	N51°18'14/.240 W00°05'47/.794	171	NO LAND	251.80	40.25	131°·02	2100	30·311°	
37	Lymington	20		119.65	4.475	068° 06	4200	24 248°	
	N50°45'44/.748 W01°30'51/.863	6		251.45	39.90	147°·12	3500	30·327°	
74	Lympne	225		121.50	5.475	028° 02	3500	20 208°	
	N51°04'58/.969 E01°01'10/.178	68		253.45	41.85	119°·07	3000	25·290°	
72	Manston EGMH	157		118.25	5.425	060° 06	5000	24 240°	
	N51°20'32/.539 E01°20'46/.769	48		253.35	41.75	107°·11	8700	29·287°	
28	Needs Oar Point	20		119.10	4.225	071°·06	4200	24·251°	
	N50°46'17/.299 W01°26'04/.071	6		250.95	39.40	180° 17	4700	35 000°	
39	Odiham	366		119.75	4.525	105° 10	5100	28 285°	
	N51°14'03/.065 W00°56'30/.504	112		251.55	40.00				
58	Stoney Cross	384		120.75	5.025	073°·06	5800	24·253°	
	N50°54'40/.667 W01°39'29/.486	117		252.55	41.00	192° 18	4800	36 012°	
30	Tangmere	48		119.30	4.300	072° 06	5700	24 252°	
	N50°50'44/.744 W00°42'06/.113	15		251.10	39.55	162°·03	4400	21·332°	
41	West Malling	305		119.90	4.600	074° 15	5700	33 254°	
	N51°16'13/.221 E00°24'16/.281	93		251.70	40.15				

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 LF0I	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,	121.00	5.150	125°	12	3500	30	305°	
	N49°21'51/.855 E00°09'26/.434	140	LANDABLE	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,	121.10	5.200	063°	05	3800	23	243°	
	N48°44'57/.952 W00°35'44/.737	202	UNEVEN	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

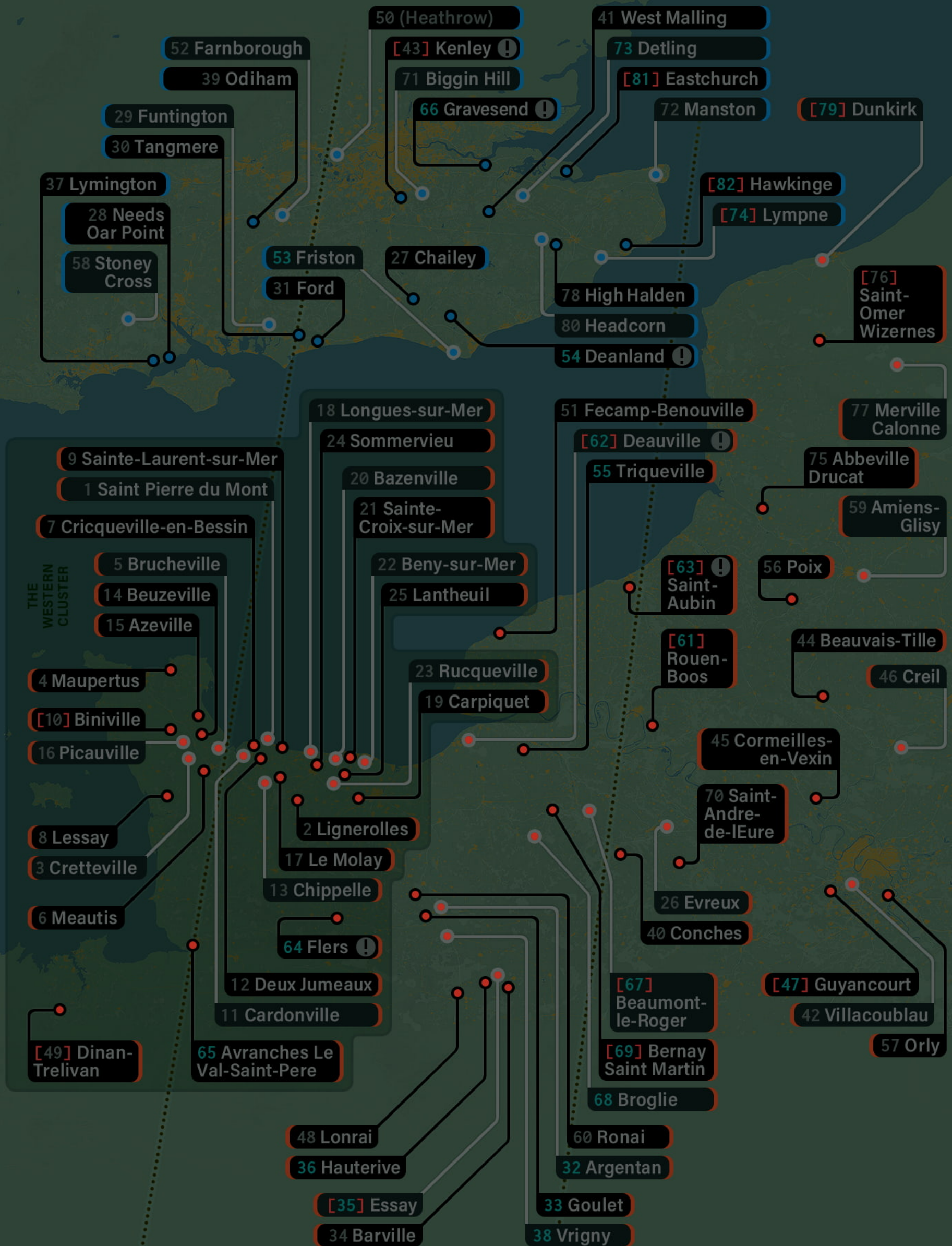
R-V

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,	121.05	5.175	133° 12 3500 31 313°	📌
	N49°53'06/.100 E01°04'/49.825	95	LANDABLE	252.85	41.25		
76	Saint-Omer Wizernes LFQN	213		121.55	5.525	039° 03 1700 21 219°	T
	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 126° 13R 11700 31L 306° ILS^ ^ILS	
	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.						
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 Minhад 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		

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 <i>Qusahwira Air Base</i>	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	NO ATC		025° 03	6200	21	205°	
	N26°15'31/.533 E55°18'56/.946	14	TERRITORY							
16	Tunb Kochak OITK	16	89X	NO ATC		079° 08	2500	26	259°	
	N26°14'35/.599 E55°08'44/.734	5	CONTESTED TERRITORY							





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 Salihiyah	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^		^108.70		
							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^ 045° 05C 12800 23C 225° 109.90^ 045° 05R 12800 23L 225° 108.90^	≡
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°	xxx
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°	xxx
EG	N30°19'44/.744 E32°16'02/.048	8		252.10	40.50	^110.15	—
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° HILLS: SOUTH, SOUTH-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	109.50^ 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°		

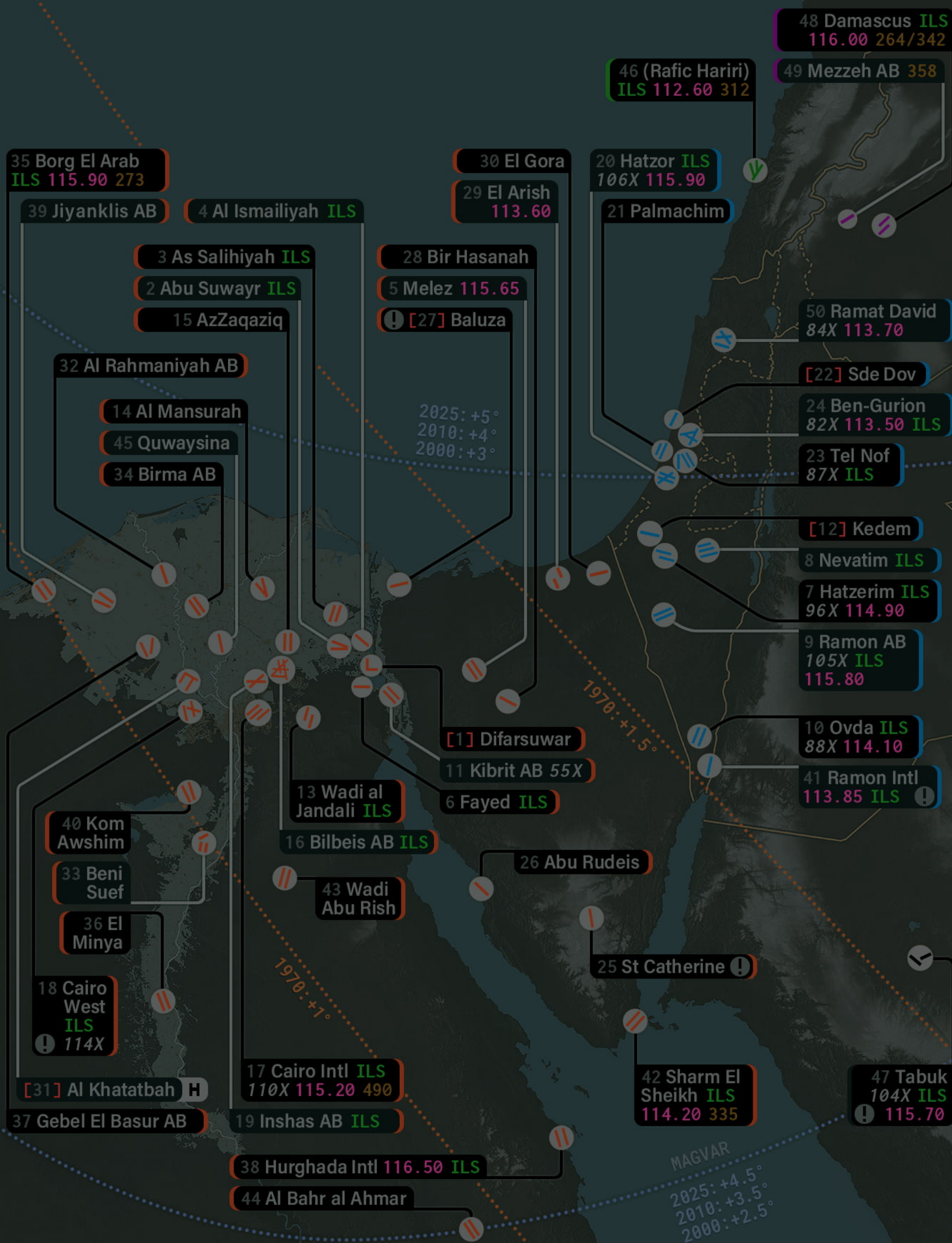
W

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°	

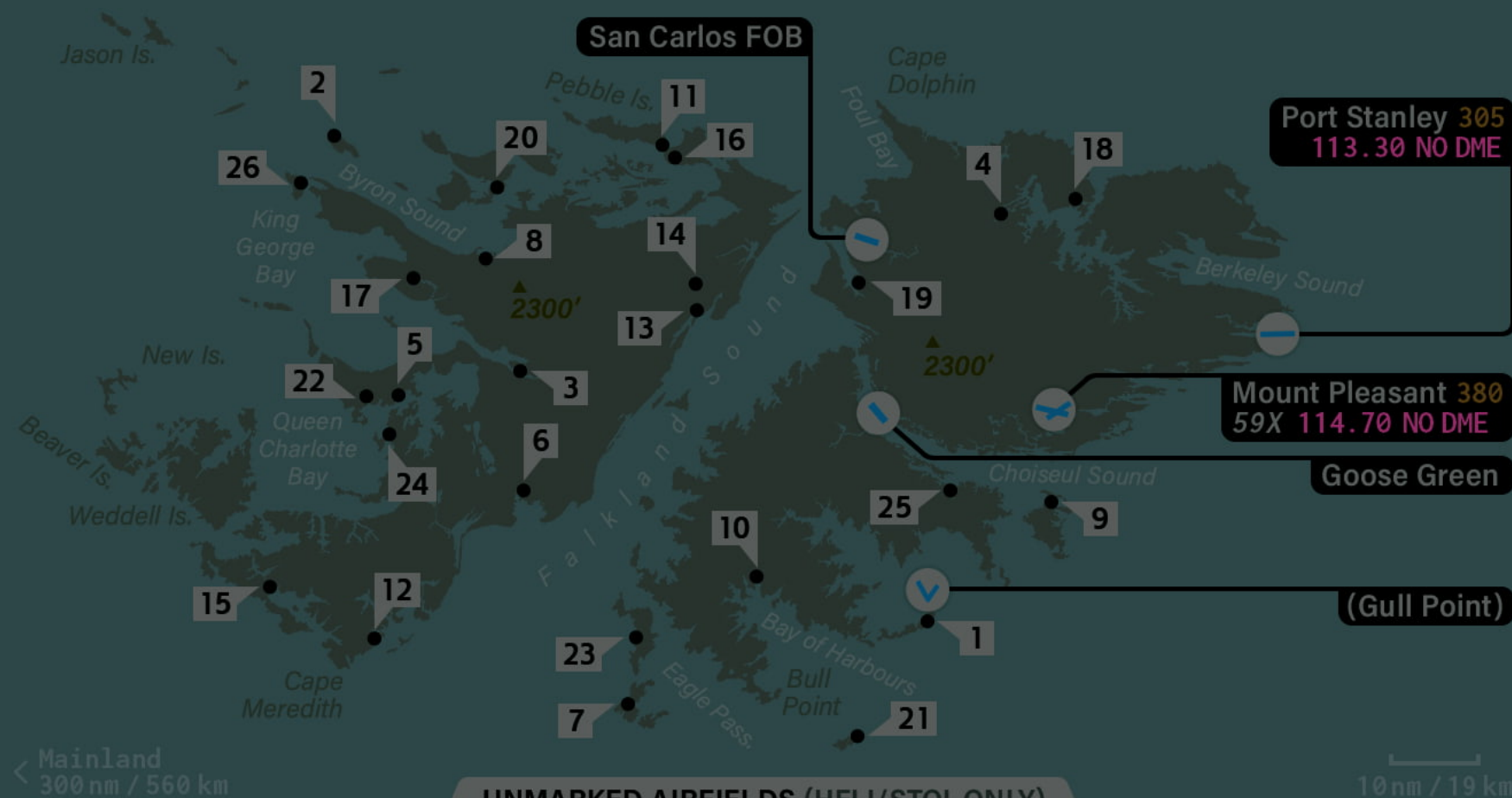
Adjust the above magnetic headings when operating in the following years (expect about 1 degree of error):
1938–1961 -4° 1962–1990 -3° 1991–2004 -2° 2005–2017 -1° 2018–2027 0°

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										





UNMARKED AIRFIELDS (HELI/STOL ONLY)

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

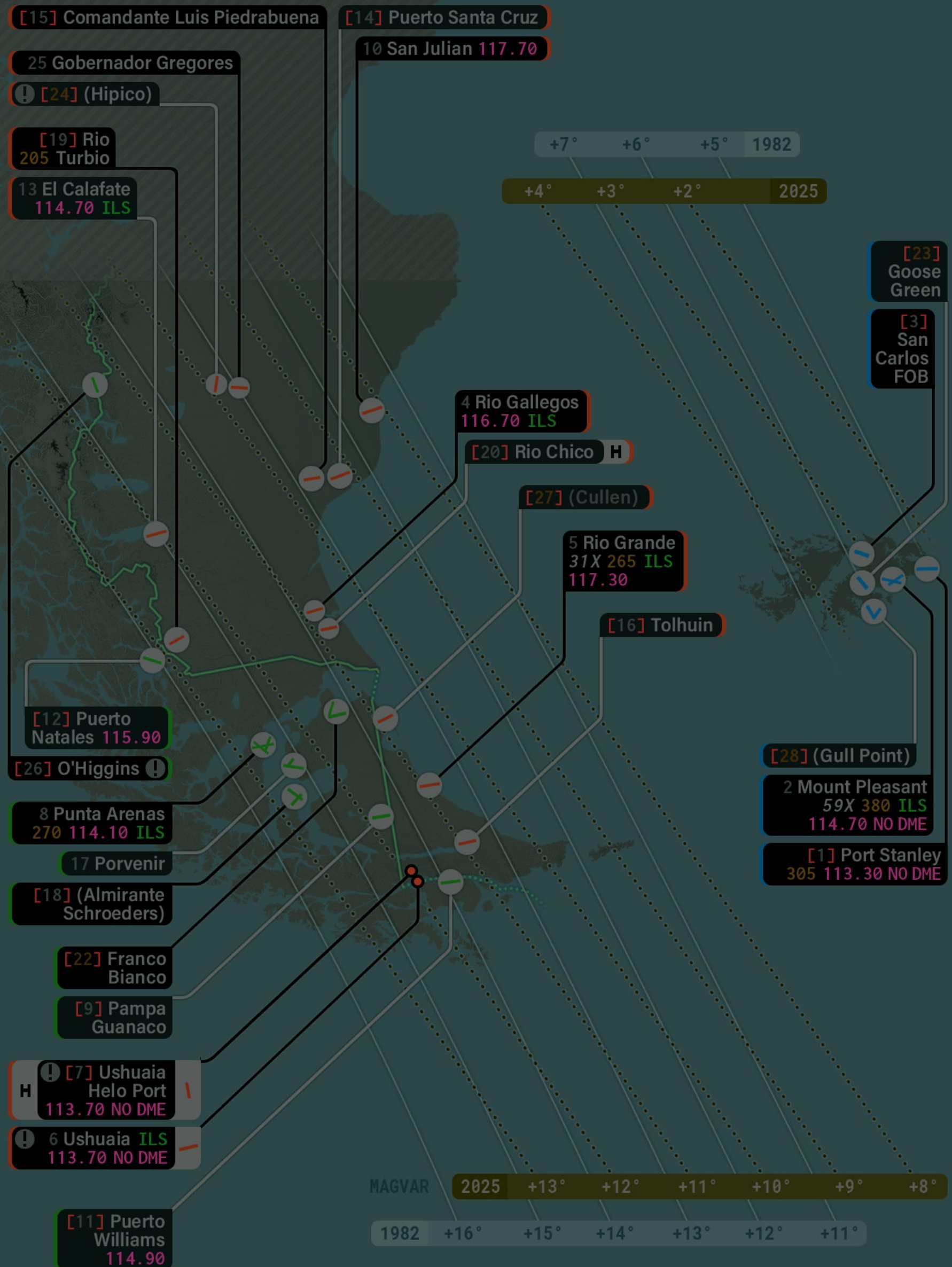
26 < West Point Island

 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″	E37°06′14″	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″	E35°16′48″	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″	E32°59′15″	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″	E36°34′17″	527		251.80	40.25					
9	Al-Dumayr	OS61	2067		120.30	5.450	060° 06	9500	24	240°	/
SY	N33°36′34″	E36°44′56″	630		253.35	41.80					
27	Aleppo	OSAP	1254	114.50	119.10	4.325	092° 09	9200	27	272°	—
SY	N36°10′50″	E37°13′27″	383	396	251.10	39.55					
4	An Nasiriyah	OS64	2750		122.30	4.925	039° 04	9200	22	219°	/
SY	N33°55′06″	E36°51′57″	839		252.30	40.75					
60	At Tanf	HELIPORT	2329	114.00	121.10	5.225	NO RWY, NO LZ				
SY	N33°30′23″	E38°36′53″	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″	E35°57′01″	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″	E35°29′15″	12	351	253.20	41.65	110.70^				
							164° 16	10300	34	344°	
							110.10^				
							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″	E34°52′56″	41		250.70	39.15				^109.70	
							077° 08	9700	26	257°	
							110.90^			^108.70	
							119°•12	9700	30•	299°	
							110.30^			^111.90	
7	Damascus	OSDI	2008	116.00	118.50	5.400	045°•05L	11600	23R•225°		//
SY	N33°25′31″	E36°31′06″	612	05R: 264	253.25	41.70				^109.90	
				23R: 342			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″	E40°10′33″	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″	E33°30′06″	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″	E35°00′27″	34		250.05	38.45					
11	Gaziantep	LTAJ	2290	116.70	120.10	3.800	100° 10	9100	28	280°	/
TK	N36°56′53″	E37°28′41″	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″	E32°17′51″	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″	E33°43′15″	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				140×140ft 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				180×900ft 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°

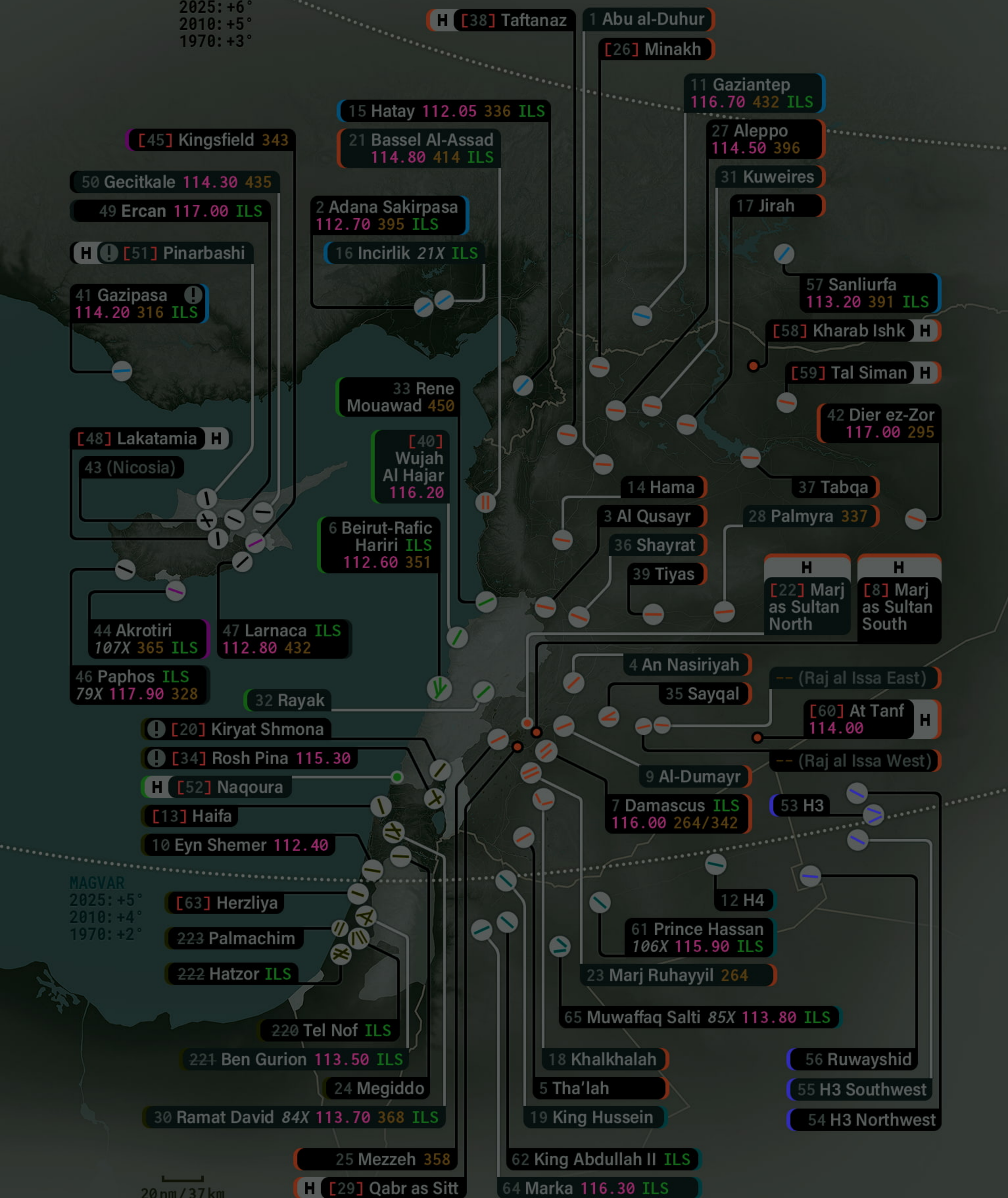
Say—W

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°

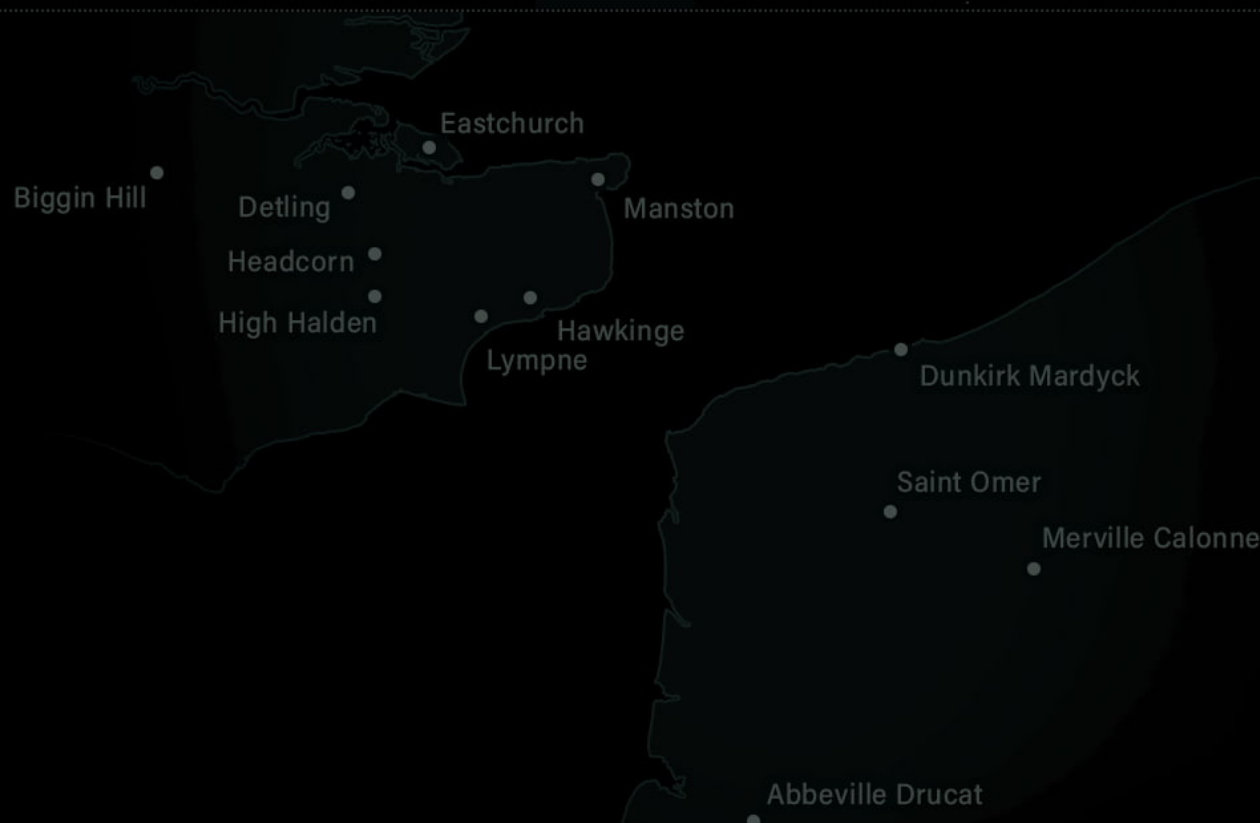


England

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°		



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°	09G	27G	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
**Painted as 22-04*

-- 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
**Painted as 06-24*

8 082° 08 26 262° -- 1 Wittstock

-- 074°•07* 25*•254° 25 250 Worms
**Painted as 06-24*

-- 074° -- -- 254° --

-- 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 Zweibrücken

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
--	065°	06R	24L	245°	--		Pat Intl
--	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 Rahmaniya 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