

FMMI - Antananarivo - Ivato

Airport details

State	Analamanga
Country	Madagascar
Region	FM
Elevation	4151ft (1265m)
Timezone	GMT +3
Coordinates	-18.79652, 47.47609
Type	land
ICAO code	FMMI
IATA code	TNR
FAA code	n/a

Runway info

Runway 11 / 29	
length	3097m (10161ft)
bearing	98° / 278°
width	45m (148ft)
surface	asphalt
blast zone	59m (194ft) / 61m (200ft)

Communication

Ivato TWR	120.100
Ivato TWR	120.100
Ivato TWR	120.100
Ivato TWR	120.100
Ivato APP	125.700
Ivato APP	125.700
Ivato APP	125.700
Ivato APP	125.700

Approach frequencies

ILS-cat-II	11	109.5	18.00mi
3° GS	11	109.5	18.00mi

Nearby beacons

code	identifier	dist	bearing	frequency
IA	IVATO (ANTANANARIVO) NDB	1.2	278.4°	364
TAN	ANTANETIBE (ANTANANARIVO) NDB	2.3	186°	276
TNV	ANTANANARIVO VOR/DME	2.4	99°	115.10

IO	IVATO (ANTANANARIVO) NDB	4.7	278.5°	305
NT	IVATO (ANTANANARIVO) NDB	7.3	98.4°	370
TN	ANKAZOBE NDB	35.4	322.9°	385
TE	MORAMANGA NDB	43.6	101.7°	371
TW	SOAVINANDRIANA NDB	47.7	243.1°	350

Departure and arrival routes

Transition altitude 8000ft

SID end points **distance** **outbound direction**

RW11

TAPA1E	25.1	13°
GATL1E	151.3	32°
SEME1E	25.0	36°
IXAR1E	73.8	71°
RAMU1E	24.9	73°
PIPR1E	24.9	102°
ODRE1E	25.0	156°
MJ4E	153.1	160°
NANO1E	25.1	183°
VSF4E	160.1	188°
MENI1E	25.0	214°
LIKI1E	25.0	242°
IKRA1E	24.9	285°
KEKI1E	25.0	324°

RW29

TAPA1W	25.1	13°
GATL1W	151.3	32°
SEME1W	25.0	36°
IXAR1W	73.8	71°
RAMU1W	24.9	73°
PIPR1W	24.9	102°
ODRE1W	25.0	156°
MJ2W	153.1	160°
NANO1W	25.1	183°
VSF2W	160.1	188°
MENI1W	25.0	214°
LIKI1W	25.0	242°
IKRA1W	24.9	285°
KEKI1W	25.0	324°

STAR starting points **distance** **inbound direction**

RW11

NANO1G	25.1	3°
VSF1B	160.1	8°
LIKI1B	25.0	62°
TAPA1D	25.1	193°

RW29	GATL1Z, GATL1B	151.3	212°
	IXAR1B, IXAR1Z	73.8	251°
	ODRE1G	25.0	336°
	MJ2B	153.1	340°
	NANO1U	25.1	3°
	LIKI1U	25.0	62°
	TAPA1K	25.1	193°
	GATL1A, GATL1V	151.3	212°
	IXAR2A, IXAR1V	73.8	251°
	ODRE1U	25.0	336°
	MJ2A, MJ2D	153.1	340°

Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
AT1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
AT2A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
AT2B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
GATL1A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
GATL1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
GATL1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
IKRA1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
IXAR1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
IXAR1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
IXAR2A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
KEKI1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
LIKI1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
MJ2A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
MJ2B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
MJ2D	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
MJ2Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
PIPR1A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230

RAMU1A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
TE1A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
TE1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
TE1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
TN1A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
TN1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
TN2B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
TN2D	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
TW1A	ANOSI	VHF	left	114 (294)°	7000ft - 11000ft	1.0min timed	230
TW1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
TW1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
TW2D	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
VSF1B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230
VSF2Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
VSQ1Z	IO	FIX	right	114 (294)°	8000ft - 11000ft	1.0min timed	230
VSQ2B	BALBY	VHF	right	294 (114)°	7000ft - 11000ft	1.0min timed	230

*) magnetic outbound (inbound) holding course

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