

LESOTHO

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World Geodetic System - 1984 (WGS-84) Data -
Moshoeshoe 1 International Airport

The information contained in this AIP-Supplement become effective at 0001 UTC on 11 July 2002, and introduces changes to the geodetic reference datum and co-ordinates for Moshoeshoe 1 International Airport (FXMM), Maseru, Lesotho.

The World Geodetic System - 1984 data in this AIP-Supplement was gathered from the results of a survey performed in April 2001. Data on points marked with (*) was taken from Land Surveys and Physical Planning (LSPP) and points marked with (**) were plotted on the draft GNSS charts.

The tables below have been formatted as they would appear in the new version of AIP-Lesotho.

1. AERODROME GEOGRAPHICAL/ADMINISTRATIVE DATA

1	Aerodrome Reference Point and Site at Aerodrome	29°26' 37.176" S 027°33'26.983" E ILS GP CALIBRATION POINT (212°/264m from THR 22)
2	Distance from Maseru	155°/15km (8nm) from Lesotho Sun (BT74 - 29°19' 12.288" S 027°29'32.453" E)
3	Elevation/Reference Temperature	1664m(5348ft)/32.5°C (JAN)
4	MAG VAR/Annual change	21°W(2001)
5	Aerodrome Administration, address, telephone, telefax, telex, AFS	Department of Civil Aviation Moshoeshoe 1 International Airport P. O. Box 629 Maseru - 100 Lesotho. Tel : 00266-350777 Telefax : 00266-350012 Telex : NIL AFS : FXMMYDYX
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	

2. AERODROME OBSTACLES

2.1 APPROACH AND TAKE-OFF AREAS

<i>POINT ID</i>	<i>GEODETTIC CO-ORDINATES</i>		<i>ELEVATION</i>
DVOR/DME 'MZV' ANTENNA	29°30'02.4" S	027°32'26.3" E	1733.9m/5578.5ft
ILS LOCALIZER BUILDING	29°28'23.5" S	027°32'56.9" E	1658.1m/5330.2ft
ILS MIDDLE MARKER ANTENNA	29°26'22.7" S	027°33'31.5" E	1651.2m/5307.7ft
ILS OUTER MARKER ANTENNA	29°20'35.3" S	027°35'22.7" E	1900.3m/6125.6ft
QEME PLATEAU *	29°28'36.3 S	027°30'03.2" E	2069.0m/6652.9ft
RADIO LESOTHO TOWER	29°19'50.2" S	027°32'24.7" E	1956.0m/6309.3ft
TCL ANTENNA	29°20'35.0" S	027°34'11.4" E	1988.2m/6414.5ft
VCL ANTENNA	29°20'37.3" S	027°34'20.8" E	1979.5m/6385.6ft

2.2 CIRCLING AREAS (BUILDINGS AND STRUCTURES)

<i>POINT ID</i>	<i>GEODETTIC CO-ORDINATES</i>		<i>ELEVATION</i>
APRON FLOOD LIGHT MAST 1	29°27'20.7" S	027°33'31.1" E	1683.4m/5412.9ft
APRON FLOOD LIGHT MAST 4	29°27'16.7" S	027°33'32.4" E	1684.4m/5416.5ft
CONTROL TOWER ANTENNA	29°27'26.1" S	027°33'31.3" E	1694.5m/5449.4ft
FIRE BASE BLDG	29°27'04.5" S	027°33'37.1" E	1675.1m/5385.9ft
HANGAR BLDG	29°27'32.0" S	027°33'30.4" E	1677.7m/5394.2ft
ILS GLIDE PATH ANTENNA	29°26'37.7" S	027°33'26.8" E	1655.7m/5344.6ft
VHF TRANSMITTER STATION ANTENNA	29°26'43.1" S	027°33'14.3" E	1673.5m/5380.8ft
WIND ANEMOMETER RWY04	29°28'03.5" S	027°33'13.1" E	1651.8m/5342.9ft
WIND ANEMOMETER RWY22	29°26'41.1" S	027°33'38.7" E	1658.0m/5363.3ft
WINDSOCK RWY04	29°27'58.8" S	027°33'01.9" E	1655.6m/5345.0ft
WINDSOCK RWY11	29°27'43.4" S	027°32'53.1" E	1651.2m/5330.9ft
WINDSOCK RWY22	29°26'35.2" S	027°33'33.4" E	1654.7m/5342.6ft
WINDSOCK RWY29	29°27'41.4" S	027°33'19.4" E	1663.1m/5369.9ft

2.3 CIRCLING AREAS (TERRAIN)

<i>POINT ID</i>	<i>GEODETTIC CO-ORDINATES</i>		<i>ELEVATION</i>
BEREA PLATEAU *	29°20'40.1" S	027°34'36.5" E	1938.4m/6232.9ft
BOINYATSO *	29°25'50.7" S	027°40'49.4" E	1767.7m/5684.1ft
BOLOMESA	29°32'39.1" S	027°28'00.0" E	1941.7m/6243.4ft
KHATLENG *	29°40'57.5" S	027°33'02.4" E	2153.5m/6924.5ft
LEBIPI *	29°21'11.3" S	027°31'49.9" E	1812.2m/5827.1ft
LEHAHA-LA-KALANA *	29°36'28.2" S	027°19'28.1" E	2147.4m/6904.9ft
LIKOTSI PEAK *	29°22'47.7" S	027°27'11.3" E	1917.5m/6165.7ft
MACHACHE PEAK **	29°21'40" S	027°54'10" E	2944.5m/9468ft
MAKHOARANE PLATEAU *	29°38'25.9" S	027°29'46.5" E	2088.3m/6714.9ft
MASITE PLATEAU *	29°36'03.1" S	027°27'08.9" E	2124.4m/6831.0ft
NEW KUBUTU *	29°25'14.9" S	027°42'54.7" E	1985.8m/6385.2ft
QHUQHU *	29°30'45.9" S	027°34'31.1" E	1972.7m/6343.2ft
QOALING PEAK *	29°20'39.2" S	027°29'13.8" E	1899.4m/6107.3ft
QOATSANENG PEAK *	29°20'02.0" S	027°29'38.2" E	1824.8m/5867.5ft
RATJOMOSE *	29°19'58.0" S	027°27'55.6" E	1721.8m/5536.4ft
THABA-TELLE *	29°35'44.7" S	027°39'28.7" E	2585.2m/8312.7ft

3. RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
04	015° GEO 034° MAG	3193 x 45	PCN/52/f/b/w/t Asphaltic Concrete	29°28'03.93"S 027°33'02.92"E	THR 1657m/5326ft
22	195° GEO 214° MAG	3193 x 45	PCN/52/f/b/w/t Asphaltic Concrete	29°26'29.96"S 027°33'32.22"E	THR 1655m/5320ft TDZ 1655m/5320ft
11	085° GEO 104° MAG	1008 x 23	PCN/12/f/b/y/t Asphaltic Concrete	29°27'45.69"S 027°32'47.76"E	THR 1651m/5308ft
29	265° GEO 284° MAG	1008 x 23	PCN/12/f/b/y/t Asphaltic Concrete	29°27'42.99"S 027°33'25.06"E	THR 1664m/5348ft

4. DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
04	3193	3193	3193	2993	THR RWY 04 DISPLACED BY 200m
22	3193	3193	3193	3193	
11	1008	1008	1008	1008	
29	1008	1008	1008	1008	

5. RADIO NAVIGATION AND LANDING AIDS

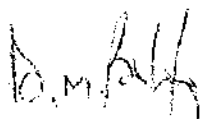
Type of aid, CAT of ILS/MLS (For VOR/ILS/MLS, give VAR)	ID	Frequency	Hours of Operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME	'MZV'	117.2 MHz CH119X	H24	29°30'01.39" S 027°32'26.27" E	1733.89m/ 5578.46ft	DME Freq. 115.7 MHz
NDB	'MU'	317 kHz	H24	29°18'09.37" S 027°30'20.32" E		Coverage 100 km U/S
NDB	'ME'	255 kHz	H24	29°25'11.63" S 027°33'56.64" E		Coverage 100 km
LLZ 22 ILS CAT I	'ILM'	108.9 MHz	H24	29°28'22.91" S 027°32'57.00" E		
GP 22		329.3 kHz	H24	29°26'37.72" S 027°33'26.81" E		
MM 22		75 kHz	H24	29°26'22.69" S 027°33'31.50" E		
OM 22		75 kHz	H24	29°20'35.25" S 027°35'22.68" E		Currently U/S

6. AERONAUTICAL GROUND LIGHTS - EN-ROUTE

<i>Name IDENT (coordinates)</i>	<i>Type and intensity (1000 Candelas)</i>	<i>Characteristics</i>	<i>Operating hours</i>	<i>Remarks</i>
1	2	3	4	5
29°27'26.2"S 027°33'31.3"E	ABN 2000	Altn Flg GW ev 4 Sec	DRG IMC & NGT (WI HOD)	ON TOP OF CONTROL TOWER

7. PROHIBITED, RESTRICTED AND DANGER AREAS

<i>Identification and name Lateral Limits</i>	<i>Upper Limit Lower Limit</i>	<i>Remarks (time of activity, type of restriction, nature of hazard, risk of interception)</i>
1	2	3
FXD6 (BUSHMEN'S PASS) ** Circle Radius 2nm, centered on 29°24'05"S 027°52'10"E	<u>2000ft AGL</u> GND	H24 Military Shooting Range
MASERU FLYING TRAINING AREA ** Area bounded by the following points: 29°26'01"S 027°28'00"E - Along Caledon River - 29°38'00"S 027°30'00"E - 29°50'00"S 027°04'00"E - Along Main South One Road - 29°25'05"S 027°33'00"E	<u>FL100</u> GND	Activated, on request only, by Maseru Approach Control.



D. M. Bolofo (SAISO)
For Director of Civil Aviation