

WBGG AD 2.1 AERODROME LOCATION INDICATOR AND NAME**WBGG - KUCHING INTERNATIONAL****WBGG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	LAT 012905N LONG 1102016E Northern edge of RWY, about 1450 FT due South of Tower.
2	Direction and distance from city	Dist 11 KM (6 NM) South of Kuching.
3	Elevation / Reference temperature	88.5 FT (27 M) / 31.6° C
4	Geoid Undulation (ARP)	+32.432 M
5	MAG VAR / Annual change	42 min 11 sec East (2009)
6	AD Administration, address, telephone, telefax, telex, AFS	Operator: Malaysia Airports Berhad Kuching International Airport P.O. Box 1070 93728 Kuching Sarawak. Tel : 082 - 454242 Fax : 082 - 458587 ATC Services: Department of Civil Aviation Malaysia Kuching International Airport P.O. Box 1359 93728 Kuching Sarawak. Tel : 082 - 455572 / 616532 / 457979 616535 / 616536 / 616537 Fax : 082 - 453199 / 571524 / 454523 Email : atcwbgg@tm.net.my
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	Nil

WBGG AD 2.3 OPERATIONAL HOURS

1	AD Administration	H24
2	Customs and immigration	Customs : 2300 to 1700 UTC daily Immigration :H24
3	Health and sanitation	On request.
4	AIS Briefing Office	Btn 2300 to 1100 UTC daily.
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	Shell : 2045 - 1600 UTC daily Petronas : 2100 - 1300 UTC
9	Handling	By prior arrangement with handling agents.
10	Security	H24
11	De-icing	Nil
12	Remarks	Nil

WBGG AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	By arrangement with Malaysia Airline System.
2	Fuel / Oil types	Fuel : Jet A1
3	Fuelling facilities / capacity	Refuelling by PETRONAS and SHELL and carried out by bowsers. PETRONAS : 1,424,000 litres per month. SHELL : 1,600,000 litres per month.
4	De-icing facilities	Nil
5	Hanger space available for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	By prior arrangement through agents.
7	Remarks	Nil

WBGG AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in city.
2	Restaurants	24 hours airport restaurant / cafeteria.
3	Transportation	Taxi and public bus services.
4	Medical facilities	General Hospital - 7.4 KM fm airport.
5	Bank and Post Offices	Bank / Post Office in city.
6	Tourist Office	In city by Sarawak Tourist Board. Tel : 082 - 410944 / 410942
7	Remarks	Nil

WBGG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Required : CAT 9 Available: CAT 9 Trained personnel: Min 11 per shift
2	Rescue equipment	Break-in and force entry equipment.
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

WBGG AD 2.7 SEASONAL AVAILABILITY - CLEARING

NOT APPLICABLE

WBGG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Main apron: Surface : Concrete Strength : PCN 120/R/A/W/T Cargo apron: Surface: Concrete Strength: PCN 82/R/C/W/T Gen Aviation apron: Surface: Flexible paved. Strength: PCN 13/F/C/W/T
2	Taxiway width, surface and strength	Width : 23 M with 11 M shoulder on either side Surface : Asphalt Strength : PCN 120/F/A/W/T
3	ACL location and elevation	Location : Nil Elevation : Nil
4	VOR / INS checkpoint	VOR : Holding Point A : 114.5 MHZ 069° 2.7 NM Holding point C : 114.5 MHZ 071° 1.7NM INS : Bay 3 - 012910N 1102037E Bay 4 - 012910N 1102031E Bay 5 - 012910N 1102025E Bay 6 - 012912N 1102012E Bay 7 - 012911N 1102028E Bay 8 - 012910N 1102025E
5	Remarks	i. MD11/DC10 acft type to use the MD11/DC10 Holding Point marked by standard ICAO marking, measured 123 M on the centreline fm the Holding Point 'C' to avoid jet blast to the Hornbill bldg. ii. Passenger loading bridge Bay 6 and 7 restricted to acft type B737 only.

WBGG AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Visual Docking Guidance System (VDGS) and guideline for Bay 3, 4, 5, 6, 7 and 8 Bay Xenon Flasher for Bay 3, 4, 5, 6, 7 and 8 Yellow numbering for Bay 3, 4, 5, 6, 7 and 8
2	RWY and TWY markings and LGT	RWY : Designator , TDZ, RWY Centreline markings. RWY : RWY Edge, THR and RWY END lights. TWY : TWY Centreline, Holding Positions and TWY Edge as appropriate marked and lighted.
3	Stop bars	Stop Bars - Red
4	Remarks	Nil

WBGG AD 2.10 AERODROME OBSTACLES

RWY /Area effected	Obstacles Type Elevation Markings / LGT	Coordinates
a	b	c
	Radio Mast hgt 490 FT (149 M), dist 2.7 NM, brg 316° fm Thr Rwy 07. Painted orange and white. Lgtd at ngt and day when the visibility is less than 5.6 KM.	-
	Tapah Microwave Twr, hgt 531 FT AMSL.	011756.0N 1102628.9E

RWY /Area effected	Obstacles Type Elevation Markings / LGT	Coordinates
a	b	c
	Bkt . Jin Twr, hgt 512 FT.	013223.9N 1102105.0E
	Aerial Mast hgt 2623 FT AMSL.	010904.0N 1103721.8E
	Bkt. Semupoh Microwave Twr, hgt 650 FT AMSL.	011400.0N 1105332.7E
	Telecom Twr at Unimas Kpg. Melaban Muara, hgt 200 FT AMSL. Marked and lgttd.	012730.0N 1102701.9E
	Telecom Twr at AD. Petronas depot, hgt 182 FT (55.50 M) AMSL. Marked and lgttd.	012910.9N 1102020.0E
	Telecom Twr at Pending Industrial Estate, hgt 320 FT (97.40 M) AMSL. Marked and lgttd.	013347.9N 1102309.9E
	Telecom Twr at Bkt. Empungan, Serian, hgt 2550 FT (777.20 M) AMSL. Marked and lgttd.	010914.0N 1103716.8E
	Telecom Twr at Bkt. Semupuh, Serian, hgt 749 FT (228.20 M) AMSL. Marked and lgttd.	010403.1N 1101731.0E
	Telecom Twr at Kuching - Serian Rd., hgt 249 FT (75.70 M) AMSL. Marked and lgttd.	011608.0N 1102740.9E
	Telecom Twr at Buntal, Kuching, hgt 170 FT (51.70 M) AMSL. Marked and lgttd.	014213.9N 1102208.0E
	Telecom Twr at Siburan, Kuching, hgt 299 FT (91.20 M) AMSL. Marked and lgttd.	012116.0N 1102458.9E
	Telecom Twr at Batu Kawa, Kuching, hgt 270 FT (82.20 M) AMSL. Marked and lgttd.	012943.9N 1101727.0E
	Telecom Twr at Bau, Kuching, hgt 339 FT (103.20 M) AMSL. Marked and lgttd.	012552.0N 1100807.1E
	Telecom Twr at Bukit Jin, Kuching, hgt 521 FT (158.92 M) AMSL. Marked and lgttd.	013226N 1102052E
	Telecom Twr at Samarahan, Serian District, hgt 531 FT (161.92 M) AMSL. Marked and lgttd.	011756.0N 1102628.9E
	Telecom Twr at Samarahan, Serian District, hgt 2725 FT (830.50 M) AMSL. Marked and lgttd.	010904.0N 1103721.8E
	Telecom Twr at Samarahan, Serian District, hgt 742 FT (226.20 M) AMSL. Marked and lgttd.	010359.0N 1105332.7E
	Telecom Twr at Lot 1220, Bintawa Industrial Estate, hgt 280 FT (85.34 M) AMSL. Marked and lgttd.	013351.9N 1102311.9E
	Telecom Twr at Lot 283, Sungei Lumut, hgt 164 FT (50 M) AMSL. Marked and lgttd.	014220.9N 1102128.0E
	Telecom Twr at Jln. Datuk Bandar Mustafa, Kuching, hgt 174 FT (53 M) AMSL. Marked and lgttd.	012957.9N 1102018.0E
	Telecom Twr, hgt 161 FT (49 M) AMSL. Marked and lgttd.	014010.9N 1101813.0E
	Telecom Twr at Jln. Batu Kawa, hgt 187 FT (57 M) AMSL. Marked and lgttd.	013033.9N 1101733.0E
	Telecom Twr at Pasir Pandak, hgt 158 FT (48 M) AMSL. Marked and lgttd.	014150.9N 1101838.0E
	Telecom Twr at Samarahan, hgt 236 FT (72 M) AMSL. Marked and lgttd.	012722.0N 1102734.9E
	Telecom Twr at Bau, hgt 199 FT (60.72 M) AMSL. Marked and lgttd.	012506.0N 1100910.1E
	Telecom Twr at Taman Malihah, hgt 174 FT (53 M) AMSL. Marked and lgttd.	013319.0N 1101530.0E
	Telecom Twr at Kpg. Siburan, hgt 181 FT (55 M) AMSL. Marked and lgttd.	012123.0N 1102445.9E
	Telecom Twr at Kpg. Tapah, hgt 191 FT (58 M) AMSL. Marked and lgttd.	011747.0N 1102502.9E
	Telecom Twr at Semongok, hgt 174 FT (53 M) AMSL. Marked and lgttd.	012353.0N 1102020.0E
	Telecom Twr, hgt 246 FT (75 M) AMSL. Marked and lgttd.	020642.8N 1102705.9E
	Telecom Twr at Kpg. Baki, hgt 246 FT (75 M) AMSL. Marked and lgttd.	011316.0N 1103111.9E
	Telecom Twr at Air Manis School, hgt 312 FT (95 M) AMSL. Marked and lgttd.	011117.0N 1103406.9E
	Telecom Twr at Serian Road, Kuching, hgt 181 FT (55 M) AMSL. Marked and lgttd.	012301.0N 1102245.9E
	Telecom Twr at Matang Road, Kuching, hgt 89 FT (27 M) AMSL. Marked and lgttd.	013416.9N 1101833.0E
	Telecom Twr at Bintawa, hgt 210 FT (63.58 M) AMSL. Marked and lgttd.	013405.9N 1102311.9E
	Telecom Twr at Holiday Inn Resort, hgt 271 FT (82.70 M) AMSL. Marked and lgttd.	014450.9N 1101852.0E
	Telecom Twr at Kenyalang Park, hgt 209 FT (63.70 M) AMSL. Marked and lgttd.	013205.9N 1102127.0E
	Telecom Twr at Samarahan, hgt 246 FT (75 M) AMSL. Marked and lgttd.	011534.0N 1102840.9E
	Telecom Twr at Samarahan, hgt 200 FT (61 M) AMSL. Marked and lgttd.	011652.0N 1102528.9E
	Telecom Twr at Kpg. Tapah, hgt 480 FT (146.30 M) AMSL. Marked and lgttd.	011758.0N 1102617.9E
	Telecom Twr at Gunung Ampunan, hgt 2450 FT (746.76 M) AMSL. Marked and lgttd.	010903.0N 1103717.8E
	Telecom Twr at Tan Villa Matang, hgt 175 FT (53.44 M) AMSL. Marked and lgttd.	013436.9N 1101527.0E
	Telecom Twr at Sg. Sempit Lumut, hgt 202 FT (61.66 M) AMSL. Marked and lgttd.	014119.9N 1102116.0E
	Telecom Twr at Kg. Muara Tuang, hgt 157 FT (47.76 M) AMSL. Marked and lgttd.	012730.0N 1102940.9E
	Telecom Twr at Kung Phin Road, hgt 190 FT (58 M) AMSL. Marked and lgttd.	013002.9N 1101939.0E
	Telecom Twr at Muara Tebas, hgt 411 FT (125.1 M) AMSL. Marked and lgttd.	013816.9N 1102753.9E
	Telecom Twr at Bako Lot 685, hgt 154 FT (46.82 M) AMSL. Marked and lgttd.	013940.9N 1102555.9E
	Telecom Twr at Sentah-Segu Land District, hgt 206 FT (62.72 M) AMSL. Marked and lgttd.	012354.0N 1102017.0E
	Telecom Twr at Petra Jaya, hgt 120 FT (36.48 M) AMSL. Marked and lgttd.	013434.9N 1101940.0E
	Telecom Twr at Tapah, hgt 199 FT (60.72 M) AMSL. Marked and lgttd.	011818.0N 1102446.9E

RWY /Area effected	Obstacles Type Elevation Markings / LGT	Coordinates
a	b	c
	Telecom Twr at Siburan, hgt 184 FT (56.22 M) AMSL. Marked and lgttd.	012116.0N 1102458.9E
	Telecom Twr at Bau, hgt 371 FT (113.2 M) AMSL. Marked and lgttd.	012543.0N 1100754.1E
	Telecom Twr at Batu Kawa, hgt 298 FT (90.7 M) AMSL. Marked and lgttd.	012943.9N 1101727.0E
	Telecom Twr at Mile 10, Kuching, hgt 517 FT (157.48 M) AMSL. Marked and lgttd.	012509.0N 1101955.0E
	Telecom Twr at Buntal Ivory Cottage, hgt 159 FT (48.42 M) AMSL. Marked and lgttd.	014213.9N 1102208.0E
	Telecom Twr at Petra Jaya, hgt 248 FT (48.72 M) AMSL. Marked and lgttd.	013640.9N 1102048.0E
	Telecom Twr at Kuching, hgt 521 FT (158.92 M) AMSL. Marked and lgttd.	013223.9N 1102105.0E
	Telecomn Twr at Samarahan, hgt 531 FT (161.92 M) AMSL. Marked and lgttd.	011756.0N 1102628.9E
	Telecom Twr at Samarahan, hgt 742 FT (226.20 M) AMSL. Marked and lgttd.	010400.0N 1105332.7E
	Telecom Twr at Muara Tabuan, hgt 213 FT (64.96 M) AMSL. Marked and lgttd.	013134.9N 1102350.9E
	Telecom Twr at Jln. Santubung, hgt 158 FT (48 M) AMSL. Marked and lgttd.	014102.9N 1102108.0E
	Telecom Twr at Santubong Resort, hgt 180 FT (55 M) AMSL. Marked and lgttd.	014418.9N 1101816.0E
	Telecom Tower at Muara Tuan, hgt 213 FT (64.96 M) AMSL. Marked and lgttd.	013134.9N 1102350.9E
	Telecom Twr at Jln Santubong, hgt 180 FT (55 M) AMSL. Marked and lgttd.	014418.9N 1101816.0E
	Telecom Twr at Gunung Serapi, hgt 3221 FT (982 M) AMSL. Marked and lgttd.	013511.9N 1101135.0E
	Telecom Twr at Sejingkat, hgt 160 FT (48.72 M) AMSL.	013510.9N 1102436.9E
	Telecom Twr at Kuching - Serian Road, hgt 166 FT (50.72 M) AMSL.	012351.0N 1102022.0E
	Telecom Twr at Petra Jaya, hgt 163 FT (49.72 M) AMSL.	013415.9N 1101915.0E
	Telecomn Twr at Petra Jaya, hgt 166 FT (50.72 M) AMSL.	013712.9N 1102031.0E
	Telecom Twr at Samarahan, hgt 176 FT (53.72 M) AMSL.	012729.0N 1102711.9E

WBGG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	KUCHING / Kuching
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Kuching, Kota Kinabalu 0024, 0606, 1212, 1818
4	Type of landing forecast Interval of issuance	Trend-type: Half hourly
5	Briefing / consultation provided	Radar and Satellite pictures.
6	Flight documentation Language(s) used	CR, TB English
7	Charts and other information available for briefing or consultation	Spot wind and significant weather chart.
8	Supplementary equipment available for providing information	Radar and Satellite Pictures.
9	ATS units provided with information	ACC and Control Tower with half-hourly weather report.
10	Additional information	Tel : 082 - 452454 Fax : 082 - 453527

WBGG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designation RWY NR	TRUE and MAG BRG	Dimensions of RWY (M)	Strength (PCN) Surface of RWY and SWY	THR Coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
07	069T	2454 x 46	PCN 120/F/A/W/T Asphalt	012850.91N 1102011.02E	THR elevation 88 FT
25	249T	2454 x 46	PCN 120/F/A/W/T Asphalt	012919.18N 1102122.19E	THR elevation 75 FT

Slope of RWY - SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strips Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
1 : 50	Nil	113 x 180	2574 x 300	Provided	-
1 : 50	Nil	91 x 180	2574 x 300	Provided	-

WBGG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	RESA
1	2	3	4	5	6
07	2454	2567	2454	2454	91
25	2454	2545	2454	2363	Nil

WBGG AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH Lgt	THR Lgt	VASIS (MEHT) PAPI	TDZ Lgt	RWY Centre Line Lgt	RWY Edge Lgt	RWY End Lgt WBAR	SWY Lgt	Remarks
1	2	3	4	5	6	7	8	9	10
07	Nil	Green	PAPI Slope 3°	Nil	Nil	White / Yellow	Red / Nil	Nil	Nil
25	CAT 1 Approach Lights	Green	PAPI Slope 3°	Nil	Nil	White / Yellow	Red / Nil	Nil	Distance between the first fitting of the approach light to THR RWY 25 is 630 M

WBGG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN / IBN location, characteristics and hours of operation	Flashing Green and White AD beacon.
2	LDI location and LGT Anemometer location and LGT	WDI RWY 07 : Right side, lighted. WDI RWY 25 : Left side, lighted.
3	TWY edge and centre line lighting	TWY Edge Lights - Blue. TWY Centreline Lights - Green.
4	Secondary power supply / switch-over time	Automatic standby generator avbl for ACC, Control Tower and equipments. Max switch over time 15 sec. Automatic standby generator avbl for airfield lightings and terminal building. Max switch over time 15 sec.
5	Remarks	Apron Edge Light - Blue Apron Lead-In Light - Green Bay 8 apron edge light completely withdrawn.

WBGG AD 2.16 HELICOPTER LANDING AREA

NIL

WBGG AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Kuching CTR A major arc of a circle radius 25 NM centred on VKG commencing at 012500N 1095327E clockwise to 010330N 1011513E thence along Malaysia - Indonesia border to 012500N 1095327E.
2	Vertical limits	Gnd Level to 3000 FT.
3	Airspace classification	C
4	ATS unit callsign Language(s)	Kuching Approach. English.
5	Transition altitude	11000 FT
6	Remarks	Nil

WBGG AD 2.18 ATS COMMUNICATION FACILITIES

Service Designation	ID	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	KUCHING GROUND	121.9 MHZ	H24	Acft to contact SMC on 121.9 MHZ for start-up and ATC clearance.
TWR/APP	KUCHING TOWER KUCHING DIRECTOR	118.1 MHZ (P) 121.70 MHZ (S) 120.2 MHZ (P) 123.85 MHZ (S)		All IFR Departure must contact Kuching Director after airborne unless instructed otherwise.
ACC	KUCHING RADAR	134.5 MHZ (P) 125.35 MHZ (S)		Area of responsibility : 108 E to SARVO within WBFC FIR.
ATIS	KUCHING INFORMATION	128.4 MHZ		-

WBGG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid	ID	Frequency	Hours of operation	Coordinates	DME Elevation	Remarks
1	2	4	5	6	7	8
ILS/LLZ	IKG	110.3 MHZ	H24	012847.7N 1101949.4E	-	-
GP/DME		335 MHZ CH 40X		012918.0N 1102044.7E	-	G/P - 3° slope. DME collocated with GP.
NDB	AN	402 KHZ		014305.9N 1101832.7E	-	350° MAG / 14 NM fm airfield 500W.
DVOR/DME	VKG	114.5 MHZ CH 92X		012824.0N 1101820.7E	-	VOR/DME opr 5 consecutive VKG codings. VOR opr 4 consecutive VKG codings flw by short pulse. DME opr 1 VKG coding flw by long pulse.

WBGG AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Local Flying Restrictions

- 1.1 Not less than 1500 FT over Kuching town, unless using marine alighting area.

2. Departing Aircraft / Start Up and Push Back

- 2.1 To regulate the movement of aircraft with respect to other aircraft on the apron, departing aircraft shall contact Kuching Ground on 121.9 MHz for start-up and push back.
- 2.2 Prior to, and during engine start-up, the pilot-in-command and aircraft marshalls shall be responsible to ensure that the aircraft is towed to the correct position for engine start-up and that the appropriate blast zone behind the aircraft is clear during engine start-up.
- 2.3 ATC Clearance shall issued on taxiing.
- 2.4 Clearance to enter active runway and departure clearance shall be issued by the TWR on 118.1 MHz.
- 2.5 All IFR departures shall contact KUCHING DIRECTOR on 120.2 MHz immediately on departure unless instructed otherwise.
- 2.6 NO lock wheel turning at any turning point for Rwy 25 and Rwy 07.

3. Arriving Aircraft Parking Arrangement

- 3.1 Arriving schedule aircraft will be allocated a Stand / Bay number by SMC.
- 3.2 General aviation aircraft will normally be allocated open bay (Bay 1 or Bay 8) at main apron or at General Aviation Apron. Aircraft operator shall make their own arrangement if marshalling service is required.
- 3.3 Arriving foreign state aircraft (including foreign military aircraft) intending to park at the RMAF apron shall make their own arrangement.

4. Removal of Aircraft

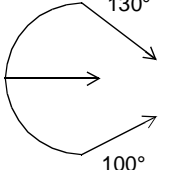
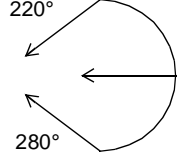
- 4.1 Removal of a crashed / disable aircraft is the responsibility of the airport authority and the aircraft owner or operator. In the case of a reportable accident, the permission of the DCA Chief Inspector of Accidents is required prior to the removal.

WBGG AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBGG AD 2.22 FLIGHT PROCEDURES

1. VOR / DME Arrival Procedures For Kuching International Airport

MAGNETIC TRACK OR SECTOR	TO	DME CHECK POINT	MINIMUM IFR ENROUTE LEVEL OR ALTITUDE	DESCEND STEPS AT DME DISTANCE NM DESCEND TO FT ON QNH	REMARKS
	VKG	Not Required	7000 FT	30 ↓ 4200 5 ↓ 4000	Execute Standard Instrument Approach procedure for duty rwy or as directed by ATC
089°	VKG	Not Required	7000 FT	17 11 4 ↓ ↓ ↓ 5100 3000 2000	If not visual at 4 DME climb on 080° to 4000 FT then track to BINAN hold for ILS approach Rwy 25 or as directed by ATC
	VKG	Not Required	7000 FT	30 20 ↓ ↓ 4000 1600	Execute ILS approach for Rwy 25. Missed approach : similar to BINAN hold missed approach procedure

WBGG AD 2.23 ADDITIONAL INFORMATION

1 Bird Concentration In The Vicinity Of The Airport

1.1 Flock of birds observed around the airport.

2 Release of Radio Sonde

2.1 Release time of Radio Sonde : 2300 UTC, 1100 UTC