



International Civil Aviation Organization

**FOURTEENTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE
AND METEOROLOGY SUB-GROUP OF
APANPIRG (CNS/MET SG/14)**



Jakarta, Indonesia, 19 – 22 July 2010

Agenda Item 12: Implementation of the issuance of observation, TAF and OPMET exchanges

1) Review of OPMET/M TF/8 meeting

IATA OPMET Data Monitoring (ISCS)

(Presented by IATA)

SUMMARY

This paper summarizes the results of an OPMET data monitoring for the ASIA/PAC Region with the focus on ISCS (Atlantic satellite) distribution.

This paper relates to:

Strategic Objectives:

- A. Safety – Enhance global civil aviation safety
- D. Efficiency – Enhance the efficiency of aviation operations

Global Plan Initiatives:

- GPI-18 Aeronautical Information
- GPI-19 Meteorological Systems

1. Introduction

1.1 Since SADIS/ISCS becomes operational in the 90's both systems became to a more and more reliable source of weather data. Beside the distribution of WAFS products it is used for broadcasting OPMET data. Basis for the data distribution via SADIS and ISCS is the FASID Table MET 2A.

1.2 ISCS has the task to provide all necessary or requested weather data to aviation users so that ISCS can be considered as a single source of data for flight planning purposes.

1.3 ISCS is a dedicated ICAO system, regulated and controlled under ICAO standards and recommended practices and operated by the National Weather Service of the United States. It forms part of the Aeronautical Fixed Services (AFS) to ensure that aviation data are distributed without conflict and with the appropriate priority.

2. Discussion

2.1 Since the operational start of ISCS many airlines are linked (directly or indirectly) to ISCS as a primary and single source of weather data and products for aviation. Data like scheduled and non-scheduled OPMET data are depending on their availability and the user requirements.

2.2 The requirements for OPMET data described in FASID Table MET 2A have been revised several times over the last years. The current FASID Table MET 2A reflects the user requirements as well as the AOP table of the ICAO regions. The latest editions of the AOP tables are used.

2.3 The following table gives a brief overview about the current number of available airports providing OPMET data on ISCS from the ASIAPAC region. This statistic is based on information provided in FASID Table MET 2A dated February 2010 and on the result of IATA monitoring of the ISCS broadcast over period of 9 weeks (starting at 04th of January 2010). Due to a technical problem which caused erroneous results, IATA was not able to use newer monitoring results for this WP, but it is assumed that the results presented in this WP are still representative.

Aerodromes listed in FASID Table MET 2A	348 (+7)
AOP Aerodromes listed in FASID Table MET 2A	205 (-9)
AOP Aerodromes providing SA	175
AOP Aerodromes providing FT	177
AOP Aerodromes providing additionally FC (this is not according ICAO Annex 3)	14

2.4 The above table shows that 175 (85,4%) AOP aerodromes issue METAR (SA) and 177 (86,3%) AOP aerodromes issue TAF (FT) as requested. All other AOP aerodromes do not meet the users requirements (14,6%, 13,7%). States are obliged to issue METAR and TAF for AOP aerodromes unless the state notifies ICAO that no OPMET data are issued for that certain AOP aerodrome. Further details are listed in the Appendix to this WP.

2.5 There still 14 AOP aerodromes in the ASIAPAC region for which FC and FT are issued and distributed on ISCS. This is not required and also not according ICAO Annex 3.

2.6 IATA is requesting some efforts by the group to improve the availability of OPMET data for AOP aerodromes in the near future. The group may wish to formulate the following conclusion:

Draft Conclusion 14/.... — Improvement of OPMET data availability for AOP aerodromes on ISCS

That ICAO be invited to

- a) continue the efforts to improve the availability of OPMET data for AOP aerodromes, and
- b) try to achieve the aim of 95% availability (METAR and TAF) of all possible AOP aerodromes on ISCS broadcast as soon as possible, and
- c) remind states concerned that only one type of TAF is allowed to be issued and transmitted (IATA requires only FT)

2.7 Since more and more Non-AOP aerodromes are used internationally IATA has formulated following general requirement for OPMET data in its IATA METTF/14 meeting:

IATA Position:

All OPMET data currently available should be distributed. This does not mean modifying the airport status in the AOP table

2.8 Non-AOP Aerodromes are widely used as en-route alternates and for ETOPS operation. With regard to a safe flight operation OPMET data for these aerodromes are important and should be available to all airlines.

2.9 The following table gives a brief overview about the current number of available airports providing OPMET data on ISCS from the ASIAPAC region. This statistic is based on information provided in FASID Table MET 2A dated February 2010 and on the result of IATA monitoring of the ISCS broadcast over period of 9 weeks (starting at 04th of January 2010). The IATA monitoring is considering various communication lines like SADIS, ISCS, German MET Office (DWD), AFTN and SITA.

Aerodromes listed in FASID Table MET 2A	348 (+7)
Non-AOP Aerodromes listed in FASID Table MET 2A	143 (+16)
Non-AOP Aerodromes providing SA	84

Non-AOP Aerodromes providing FT	86
Non-AOP Aerodromes providing additionally FC (this is not according ICAO Annex 3)	1

2.10 The above table shows that 99 (58,7,1%) Non-AOP aerodromes issue METAR (SA) and 86 (60,1%) Non-AOP aerodromes issue TAF (FT) as requested. All other AOP aerodromes do not meet the users requirements (41,3%, 39,9%). States are requested to issue and distribute METAR and TAF for Non-AOP aerodromes if available (details are listed in the Appendix to this WP.

2.11 There still 1 Non-AOP aerodromes in the ASIAPAC region for which FC and FT are issued and distributed on ISCS. This is not required and also not according ICAO Annex 3.

2.12 IATA is requesting some efforts by the group to improve the availability of OPMET data for Non-AOP aerodromes in the near future. The group may wish to formulate the following conclusion:

Draft Conclusion 14/... — Improvement of OPMET data availability for Non-AOP aerodromes on ISCS

That ICAO be invited to

- a) continue the efforts to improve the availability of OPMET data for Non-AOP aerodromes listed in FASID Table MET 2A, and
- b) try to achieve the aim of 90% availability (METAR and TAF) of all listed Non-AOP aerodromes on ISCS broadcast as soon as possible, and
- c) remind states concerned that only one type of TAF is allowed to be issued and transmitted (IATA requires only FT)

2.13 There are further aerodromes in the ASIAPAC region which not listed in the FASID Table MET 2A. The IATA monitoring shows that OPMET data were found on the ISCS broadcast for some of these airports.

2.14 Non-AOP Aerodromes are widely used as en-route alternates and for ETOPS operation. With regard to a safe flight operation OPMET data for these aerodromes are important and should be available to all airlines.

2.15 The following table gives a brief overview about the current number of available airports providing OPMET data on ISCS from the ASIAPAC region. This statistic is based on information provided in FASID Table MET 2A dated February 2010 and on the result of IATA monitoring of the ISCS broadcast over period of 9 weeks (starting at 04th of January 2010).

Aerodromes not listed in FASID Table MET 2A	773
Non-AOP- FASID Table MET 2A Aerodromes providing SA	76
Non-AOP- FASID Table MET 2A Aerodromes providing FT	33
Non-AOP- FASID Table MET 2A Aerodromes providing additionally FC (this is not according ICAO Annex 3)	1

2.16 In the Appendix to this WP, details of the IATA monitoring of all aerodromes listed in FASID Table MET 2A and broadcasted on ISCS are provided. These details not only pointing to missing data in the OPMET data exchange, but also indicating problems in the regularity of the OPMET data availability from the ASIAPAC region.

2.17 The IATA monitoring is performed on a daily basis. The Appendix contains detailed information about the availability and regularity of OPMET data from the ASIAPAC region. The Appendix contains three worksheets: AOP aerodromes, NON-AOP aerodromes and NON-AOP aerodromes not listed in FASID Table MET 2A. The following explanations of the columns will guide you through the tables:

- ICAO Location** Airport location indicator
- SA, SP, FC, FT, FX** if Y then OPMET data type is required (FC=TAF, FC=24H TAF, FX=30H TAF)
- AOP** if Y then airport is listed in AOP table
- SUG** if Y then airport is listed in FASID Table MET 2A

- S**
- F - Full : OPMET data as listed issued for the aerodrome all through the 24-hour period
If hourly METARs are issued then a maximum number of 216 METARs can be received over 9 weeks
If half-hourly METARs are issued then a maximum number of 432 METARs can be received over 9 weeks
If FC are issued every 3 hours then a maximum number of 72 FC can be received over 9 weeks
If FT are issued every 6 hours then a maximum number of 36 FT can be received over 9 weeks
If FT are issued every 3 hours then a maximum number of 72 FT can be received over 9 weeks
- P - Partial : OPMET data as listed not issued for the aerodrome for the entire 24-hour period
In that case the maximum number of messages as described for full service cannot be reached
- N - None : No OPMET data issued for the time being
BLANK – not specified
- SA-MON, SA-TUE ..** Number of SA, FC, FT received on Monday, Tuesday ... over the last 9 weeks

2.18 How you can read and interpret the tables in the Appendix:

Example:

NZAA, NZCH and NZWN are providing full service over 24 hours. So it is expected that 216 METARs are received over the last 9 weeks. That is the case here and no deficiency is detected.

AGGH is also providing full service, but here the number of METARs is significantly below the expected.

OPLA is also providing full service, but the number of received METARs exceeds the maximum number of hourly METARs and is significant lower than the maximum number of half-hourly METARs.

This can have two reasons:

- a. there is no full service and the information provided in the FASID tables is wrong
- b. there is a problem in the provision or issuance of METARs
- c. there is a communication problem

RPLB is only providing partial service. So number of received METARs must be lower than the maximum number of hourly METARs. The number of received METARs is nearly constant over the days, so it can be assumed that there is no communication problem, but no full service is established there.

ICAO	SA	SP	FC	FT	FX	AOP	SUG	S	SA-MON	SA-TUE	SA-WED	SA-THU	SA-FRI	SA-SAT	SA-SUN
AGGH	Y	Y		Y		Y	Y	F	141	153	138	113	128	120	119
ANYN	Y	Y		Y		Y	Y	F	0	0	0	0	0	0	0
AYPY	Y	Y		Y		Y	Y	F	88	72	88	63	59	52	76
AYVN	Y	Y				Y	Y	F	3	14	18	4	6	1	3
NVSS	Y	Y		Y		Y	Y	F	0	0	0	0	0	0	0
NVVV	Y	Y		Y		Y	Y	F	0	0	0	0	0	0	0
NWWW	Y	Y		Y		Y	Y	F	259	280	283	261	313	281	297
NZAA	Y	Y		Y		Y	Y	F	215	214	215	216	215	215	216
NZCH	Y	Y		Y		Y	Y	F	212	215	212	214	213	213	214
NZWN	Y	Y		Y		Y	Y	F	213	215	215	216	215	210	214
OPGD	Y	Y		Y		Y	Y	F	0	0	0	0	0	0	0
OPKC	Y	Y			Y	Y	Y	F	372	366	377	388	379	358	364
OPLA	Y	Y			Y	Y	Y	F	378	365	368	401	389	384	378
OPNH	Y	Y		Y		Y	Y	F	103	76	81	86	72	58	49
RPLB	Y	Y		Y		Y	Y	P	126	120	118	106	129	139	148

In general it can assumed that the regularity is excellent if the received number of METAR/TAF from airports with full service differs not more than 15% from the maximum possible number (e.g. hourly METAR between 190 and 216).

3. Action by the group

3.1 The group is invited

- a) to note results of the IATA OPMET data monitoring and information provided
- b) to use the result tables to improve the OPMET data exchange in general

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Attachment

WBGG	Y	Y	Y	Y	Y	F	431	429	431	432	430	429	431	0	0	0	0	0	0	0	36	35	36	36	36	36	36	36	KUCHING	Malaysia	ASI
WBKK	Y	Y	Y	Y	Y	F	431	429	430	432	430	429	431	0	0	0	0	0	0	0	36	35	36	36	36	36	36	36	KOTA KINABALU	Malaysia	ASI
WBSB	Y	Y	Y	Y	Y	F	432	427	429	432	416	428	431	0	0	0	0	0	0	0	36	35	36	36	36	36	36	36	BANDAR SERI BEGAWAN/BRUNEI	Brunei Darussalam	ASI
WIBB	Y	Y	Y	Y	Y	F	10	32	19	12	6	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PEKANBARU	Indonesia	ASI
WIDD	Y	Y	Y	Y	Y	F	142	168	135	141	175	153	175	0	0	0	0	0	0	0	28	28	28	28	28	26	27	27	BATAM	Indonesia	ASI
WIDN	Y	Y	Y	Y	Y	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TANJUNG PINANG	Indonesia	ASI
WIHH	Y	Y	Y	Y	Y	F	36	10	36	44	25	20	39	1	1	1	0	0	0	0	28	24	19	20	20	20	21	21	JAKARTA/HALIM PERDANA KASUMA	Indonesia	ASI
WIII	Y	Y	Y	Y	Y	F	343	356	359	352	362	346	358	0	0	0	0	0	0	0	4	6	10	4	7	12	5	5	JAKARTA/SOEKARNO HATTA	Indonesia	ASI
WIMG	Y	Y	Y	Y	Y	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PADANG/TABING	Indonesia	ASI
WIMM	Y	Y	Y	Y	Y	F	425	430	421	429	412	427	428	0	0	0	0	0	0	0	34	35	35	36	33	36	36	36	MEDAN	Indonesia	ASI
WIOO	Y	Y	Y	Y	Y	F	151	156	154	174	169	149	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PONTIANAK	Indonesia	ASI
WIPP	Y	Y	Y	Y	Y	F	122	132	128	128	132	125	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PALEMBANG	Indonesia	ASI
WMKJ	Y	Y	Y	Y	Y	F	215	216	216	216	213	216	216	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	JOHOR BAHRU/SULTAN ISMAIL	Malaysia	ASI
WMKK	Y	Y	Y	Y	Y	F	430	429	429	432	427	429	431	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	KUALA LUMPUR SEPANG	Malaysia	ASI
WMKL	Y	Y	Y	Y	Y	F	216	216	216	216	214	215	216	0	0	0	0	0	0	0	31	34	25	27	31	28	34	34	LANGKAWI	Malaysia	ASI
WMKP	Y	Y	Y	Y	Y	F	430	429	432	433	429	429	431	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	PENANG	Malaysia	ASI
WSAP	Y	Y	Y	Y	Y	F	171	171	170	171	171	170	171	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	SINGAPORE/PAYA LEBAR	Singapore	ASI
WSSL	Y	Y	Y	Y	Y	F	170	170	170	171	171	170	170	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	SINGAPORE/SELETAR	Singapore	ASI
WSSS	Y	Y	Y	Y	Y	F	431	432	432	432	431	432	432	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	SINGAPORE/CHANGI	Singapore	ASI
YBAS	Y	Y	Y	Y	Y	F	429	432	432	432	426	429	431	0	0	0	0	0	0	0	33	36	36	36	34	33	31	31	ALICE SPRINGS	Australia	ASI
YBBN	Y	Y	Y	Y	Y	F	431	432	432	432	430	431	431	0	0	0	0	0	0	0	34	32	36	34	36	34	32	32	BRISBANE	Australia	ASI
YBCS	Y	Y	Y	Y	Y	F	432	432	432	432	430	432	431	0	0	0	0	0	0	0	24	35	18	34	24	18	24	24	CAIRNS	Australia	ASI
YBRK	Y	Y	Y	Y	Y	F	431	430	432	430	430	432	432	0	0	0	0	0	0	0	33	32	35	31	36	35	33	33	ROCKHAMPTON	Australia	ASI
YBTL	Y	Y	Y	Y	Y	F	432	432	430	431	428	429	431	0	0	0	0	0	0	0	35	33	32	30	25	27	33	33	TOWNSVILLE	Australia	ASI
YMHB	Y	Y	Y	Y	Y	F	431	428	432	429	428	423	422	0	0	0	0	0	0	0	35	34	36	33	35	33	32	32	HOBART	Australia	ASI
YMLL	Y	Y	Y	Y	Y	F	432	432	430	432	426	432	431	0	0	0	0	0	0	0	31	35	25	18	25	33	34	34	MELBOURNE	Australia	ASI
YPAD	Y	Y	Y	Y	Y	F	429	432	432	432	430	430	425	0	0	0	0	0	0	0	34	35	31	33	33	34	34	34	ADELAIDE	Australia	ASI
YPCC	Y	Y	Y	Y	Y	F	432	431	431	432	428	428	432	0	0	0	0	0	0	0	36	36	35	36	35	36	35	35	COCOS ISLANDS	Australia	ASI
YPDN	Y	Y	Y	Y	Y	F	432	432	432	432	427	431	431	0	0	0	0	0	0	0	34	34	35	34	34	29	33	33	DARWIN	Australia	ASI
YPPD	Y	Y	Y	Y	Y	F	432	432	432	429	427	432	432	0	0	0	0	0	0	0	36	36	36	34	35	36	36	36	PORT HEDLAND	Australia	ASI
YPPH	Y	Y	Y	Y	Y	F	432	431	432	430	425	429	430	0	0	0	0	0	0	0	33	36	36	36	34	35	35	35	PERTH INTL	Australia	ASI
YPTN	Y	Y	Y	Y	Y	F	432	431	432	432	429	417	427	0	0	0	0	0	0	0	33	33	36	36	35	32	30	30	KATHERINE/TINDAL	Australia	ASI
YPXM	Y	Y	Y	Y	Y	F	202	203	212	208	207	212	212	0	0	0	0	0	0	0	36	34	35	34	36	35	34	34	CHRISTMAS ISLAND	Australia	ASI
YSNF	Y	Y	Y	Y	Y	F	432	428	429	431	422	432	432	0	0	0	0	0	0	0	32	34	34	35	35	36	36	36	NORFOLK ISLAND	Australia	ASI
YSSY	Y	Y	Y	Y	Y	F	432	431	432	430	428	427	432	0	0	0	0	0	0	0	32	36	34	36	31	28	30	30	SYDNEY / KINGSFORD SMITH	Australia	ASI
ZBAA	Y	Y	Y	Y	Y	F	432	432	432	432	430	432	431	0	0	0	0	0	0	0	35	36	36	36	36	36	36	36	BEIJING/CAPITAL	China	ASI
ZBHH	Y	Y	Y	Y	Y	F	216	216	216	216	216	216	216	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	HOHHOT/BAITA	China	ASI
ZBTJ	Y	Y	Y	Y	Y	F	432	432	432	432	431	432	432	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	TIANJIN/BINHAI	China	ASI
ZBYN	Y	Y	Y	Y	Y	F	432	432	432	432	431	432	432	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	TAIYUAN/WUSU	China	ASI
ZGGG	Y	Y	Y	Y	Y	F	431	432	432	432	431	432	432	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	GUANGZHOU/BAIYUN	China	ASI
ZGHA	Y	Y	Y	Y	Y	F	216	216	214	216	216	216	216	0	0	0	0	0	0	0	36	36	36	34	35	36	35	35	CHANGSHA/HUANGHUA	China	ASI
ZGKL	Y	Y	Y	Y	Y	F	214	214	215	216	214	215	215	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	GUILIN/LIANGJIANG	China	ASI
ZGNN	Y	Y	Y	Y	Y	F	213	215	214	215	214	214	214	0	0	0	0	0	0	0	36	36	36	36	36	36	35	35	NANNING/WUXU	China	ASI
ZGSZ	Y	Y	Y	Y	Y	F	214	216	215	216	214	215	215	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	SHENZHEN BAOAN	China	ASI
ZHHH	Y	Y	Y	Y	Y	F	216	216	216	214	216	216	216	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	WUHAN/TIANHE	China	ASI
ZJSY	Y	Y	Y	Y	Y	F	216	216	216	216	216	216	216	0	0	0	0	0	0	0	36	36	36	36	35	36	36	36	SANYA PHOENIX INTL	China	ASI
ZKPY	Y	Y	Y	Y	Y	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PYONGYANG/SUNAN	Democratic People's Republic of Korea	ASI
ZLLL	Y	Y	Y	Y	Y	F	216	216	216	216	216	216	216	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	LANZHOU/ZHONGCHUAN	China	ASI
ZLXY	Y	Y	Y	Y	Y	F	214	214	215	216	214	215	215	0	0	0	0	0	0	0	36	36	36	35	36	36	36	36	XI AN XIANYANG	China	ASI
ZMUB	Y	Y	Y	Y	Y	F	378	367	379	383	350	395	400	56	57	49	68	58	56	61	17	21	14	15	18	22	10	10	ULAANBAATAR	Mongolia	ASI
ZPPP	Y	Y	Y	Y	Y	F	214	216	215	216	214	215	215	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	KUNMING/WUJIABA	China	ASI
ZSAM	Y	Y	Y	Y	Y	F	213	216	215	215	214	216	215	0	0	0	0	0	0	0	36	36	35	36	36	36	36	36	XIAMEN/GAOQI	China	ASI
ZSFZ	Y	Y	Y	Y	Y	F	214	212	215	216	213	212	206	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	FUZHOU	China	ASI
ZSHC	Y	Y	Y	Y	Y	F	396	395	395	396	394	396	396	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	HANGZHOU/XIAOSHAN	China	ASI
ZSJN	Y	Y	Y	Y	Y	F	215	216	216	216	216	215	215	0	0	0	0	0	0	0	13	20	17	13	14	28	20	20	JINAN/YAOQIANG	China	ASI
ZSNJ	Y	Y	Y	Y	Y	F	216	216	216	2																					

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YPKG	Y	Y	Y	Y	F	432	432	432	429	430	431	432	0	0	0	0	0	0	0	36	36	36	36	35	36	36	KALGOORLIE	Australia	ASI
YPLM	Y	Y	Y	Y	F	432	432	430	432	430	432	432	0	0	0	0	0	0	0	35	36	36	36	36	36	36	LEARMONTH	Australia	ASI
YPWR	Y	Y	Y	Y	F	429	432	432	432	428	432	428	0	0	0	0	0	0	0	36	36	36	35	33	34	32	WOOMERA	Australia	ASI
YSCB	Y	Y	Y	Y	F	430	431	432	430	430	432	431	0	0	0	0	0	0	0	24	34	32	20	23	31	31	CANBERRA	Australia	ASI
YSDU	Y	Y	Y	Y	F	429	431	432	429	429	432	431	0	0	0	0	0	0	0	35	35	33	31	34	35	34	DUBBO	Australia	ASI
YSRI	Y	Y	Y	Y	F	429	431	429	431	429	431	428	0	0	0	0	0	0	0	34	36	34	32	32	34	30	RICHMOND (NSW)	Australia	ASI
YWLM	Y	Y	Y	Y	F	432	431	429	432	428	432	429	0	0	0	0	0	0	0	23	36	35	32	26	25	20	WILLIAMTOWN	Australia	ASI
ZGOW	Y	Y	Y	Y	F	212	216	215	216	213	213	214	0	0	0	0	0	0	0	35	36	36	36	36	36	36	SHANTOU	China	ASI
ZJHK	Y	Y	Y	Y	F	216	216	216	216	216	216	216	0	0	0	0	0	0	0	36	36	36	36	36	36	37	HAIKOU/MEILAN	China	ASI
ZYCC	Y	Y	Y	Y	F	216	216	216	214	216	216	216	0	0	0	0	0	0	0	36	36	36	36	36	36	36	CHANGCHUN/DAFANGSHEN	China	ASI

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RPUV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	VIRAC	Philippines	ASI
RPUW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MARINDUQUE	Philippines	ASI
RPUY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAUAYAN	Philippines	ASI
RPUZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BAGABAG NATIONAL	Philippines	ASI
RPVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TACLOBAN/ROMUALDEZ	Philippines	ASI
RPVB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BACOLOD	Philippines	ASI
RPVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CALBAYOG	Philippines	ASI
RPVF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CATARMAN	Philippines	ASI
RPVG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GUIUAN	Philippines	ASI
RPVH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HILONGOS	Philippines	ASI
RPVI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ILOILO	Philippines	ASI
RPVJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MASBATE	Philippines	ASI
RPVK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KALIBO	Philippines	ASI
RPVO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ORMOC	Philippines	ASI
RPVQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BILIRAN NATIONAL	Philippines	ASI
RPVR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ROXAS	Philippines	ASI
RPVT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAGBILARAN	Philippines	ASI
RPVU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ROMBLON,TABLAS	Philippines	ASI
RPVV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BUSUANGA NATIONAL AIRPORT	Philippines	ASI
RPWM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MALABANG	Philippines	ASI
RPWX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ILIGAN	Philippines	ASI
VAAK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	AKOLA	India	ASI
VAAU	0	0	0	0	0	0	0	6	13	11	8	3	12	13	0	0	0	0	0	0	AURANGABAD	India	ASI
VABI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BILASPUR	India	ASI
VABJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BHUJ	India	ASI
VABM	0	0	0	0	0	0	0	5	12	10	7	3	11	18	0	0	0	0	0	0	BELGAUM	India	ASI
VABO	0	0	0	0	0	0	0	7	6	12	21	5	10	11	0	0	0	0	0	0	VADODARA	India	ASI
VABP	0	0	0	0	0	0	0	5	6	6	8	6	4	13	0	0	0	0	0	0	BHOPAL	India	ASI
VABV	0	0	0	0	0	0	0	6	7	12	23	5	9	13	0	0	0	0	0	0	BHAVNAGAR	India	ASI
VADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DEESA	India	ASI
VAGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GONDIA	India	ASI
VAGO	0	0	0	0	0	0	0	5	2	15	6	4	4	7	0	0	0	0	0	0	GOA	India	ASI
VAID	0	0	0	0	0	0	0	2	3	4	4	3	5	13	0	0	0	0	0	0	DEVI AHILYABAI HOLKAR	India	ASI
VAJB	0	0	0	0	0	0	0	14	2	3	2	15	3	8	0	0	0	0	0	0	JABALPUR	India	ASI
VAJJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MUMBAI/JUHU	India	ASI
VAJM	0	0	0	0	0	0	0	7	6	10	21	5	10	13	0	0	0	0	0	0	JAMNAGAR	India	ASI
VAKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KANDLA/GANDHIDHAM	India	ASI
VAKJ	0	0	0	0	0	0	0	2	2	4	4	4	4	12	0	0	0	0	0	0	KHAJURAHO	India	ASI
VAKP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KOLHAPUR	India	ASI
VAKS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KESHOD/JUNAGADH	India	ASI
VAOZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	OZAR	India	ASI
VAPO	0	0	0	0	0	0	0	6	5	8	8	7	4	13	0	0	0	0	0	0	PUNE	India	ASI
VAPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PORBANDAR	India	ASI
VARK	0	0	0	0	0	0	0	6	6	10	23	5	7	8	0	0	0	0	0	0	RAJKOT	India	ASI
VARP	0	0	0	0	0	0	0	8	5	6	6	7	6	8	0	0	0	0	0	0	RAIPUR	India	ASI
VAUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	UDAIPUR	India	ASI
VCCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANURADHAPURA	Sri Lanka	ASI
VCCB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BATTICALOA	Sri Lanka	ASI
VCCG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GAL OYA/AMPARAI	Sri Lanka	ASI
VCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRINCOMALEE / CHINA-BAY	Sri Lanka	ASI
VCXZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MINNERIYA	Sri Lanka	ASI
VDBG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BATTAMBANG	Cambodia	ASI
VDMK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MONDULKIRI	Cambodia	ASI
VDSV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SIHANOUK VILLE	Cambodia	ASI
VEAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	AGARTALA	India	ASI
VEAZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	AIZWAL/TURIAL	India	ASI
VEBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BAGHDOGRA	India	ASI
VEBI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SHILLONG/BARAPANI	India	ASI
VECK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CHAKULIA	India	ASI
VECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	COOCH BEHAR	India	ASI
VEDX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KALAIKUNDA	India	ASI
VEGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GUWAHATI	India	ASI
VEGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GAYA	India	ASI
VEIM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	IMPHAL/TULIHAI	India	ASI
VEJH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	JHARSUGUDA	India	ASI
VEJS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	JAMSHEDPUR	India	ASI
VEKM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KAMALPUR	India	ASI
VEKR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KAILASHAHAR	India	ASI
VEKU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SILCHAR	India	ASI
VEKW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KHOWAI	India	ASI

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VOTP	0	0	0	0	0	0	0	2	4	8	4	3	3	2	0	0	0	0	0	0	TIRUPATI	India	ASI
VOWA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WARANGAL	India	ASI
VOYK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	YELAHANKA AFB	India	ASI
VQTU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	THIMBU	Bhutan	ASI
VRMH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HANIMAADHOO	Maldives	ASI
VRMK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KADHDHOO ISLAND	Maldives	ASI
VRMT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KAATEDHDHOO ISLAND	Maldives	ASI
VTBK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAKHON PATHOM/KAMPHAENG SAEN	Thailand	ASI
VTBL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LOP BURI/KHOK KATHIAM	Thailand	ASI
VTBO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRAT/KHAO SMING	Thailand	ASI
VTBP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PRACHUAP KHIRIKHAN	Thailand	ASI
VTPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAKHON SAWAN/TAKHLI	Thailand	ASI
VTPN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAKHON SAWAN	Thailand	ASI
VTPU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	UTTARADIT	Thailand	ASI
VTPY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAK/KHUAN PHUMIPHON	Thailand	ASI
VTSN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAKHON SI THAMMARAT/CHA IAN	Thailand	ASI
VTUN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAKHON RATCHASIMA/KHORAT	Thailand	ASI
VVBH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BIEN HOA	Viet Nam	ASI
VVBM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BUONMETHUOT	Viet Nam	ASI
VVCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HAIPHONG / CATBI	Viet Nam	ASI
VVCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAMLY	Viet Nam	ASI
VVCM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAMAU	Viet Nam	ASI
VVCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONSON	Viet Nam	ASI
VVGL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HANOI / GIALAM	Viet Nam	ASI
VVNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NASAN	Viet Nam	ASI
VVNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHATRANG	Viet Nam	ASI
VVPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PHUCAT	Viet Nam	ASI
VVPK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PLEIKU	Viet Nam	ASI
VVPQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PHUQUOC	Viet Nam	ASI
VVRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RACHGIA	Viet Nam	ASI
VVTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TUY HOA	Viet Nam	ASI
VV VH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	VINH	Viet Nam	ASI
VVVT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	VUNGTAU	Viet Nam	ASI
VYAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANN	Myanmar	ASI
VYBG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BAGAN	Myanmar	ASI
VYBM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BANMAW	Myanmar	ASI
VYCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	COCO ISLAND	Myanmar	ASI
VYCZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MANDALAY/CHANMYATHAZI	Myanmar	ASI
VYDW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DAWEI	Myanmar	ASI
VYHH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HEHO	Myanmar	ASI
VYKG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KENGTUNG	Myanmar	ASI
VYKL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KALAY	Myanmar	ASI
VYKP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KYAUKPYU	Myanmar	ASI
VYKT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KAWTHOUNG	Myanmar	ASI
VYLK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LOIKAW	Myanmar	ASI
VYLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LASHIO	Myanmar	ASI
VYLY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LANYWA	Myanmar	ASI
VYME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MYEIK	Myanmar	ASI
VYMK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MYITKYINA	Myanmar	ASI
VYMM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MAWLAMYINE	Myanmar	ASI
VYMO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MOMEIK	Myanmar	ASI
VYMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MONGHSAT	Myanmar	ASI
VYNP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MYITKYINA/NAMPONG	Myanmar	ASI
VYNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAMSANG	Myanmar	ASI
VYNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NAYPYITAW	Myanmar	ASI
VYNU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NYAUNG U	Myanmar	ASI
VYPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HPA-AN	Myanmar	ASI
VYPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PUTAO	Myanmar	ASI
VYPY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PYAY	Myanmar	ASI
VYST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SHANTE	Myanmar	ASI
VYTD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	THANDWE/MAZIN	Myanmar	ASI
VYTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TACHILEK	Myanmar	ASI
VYTO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAUNGOO	Myanmar	ASI
WADB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BIMA	Indonesia	ASI
WADW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WAINGAPU	Indonesia	ASI
WAJW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WAMENA	Indonesia	ASI
WALK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TANJUNG REDEP/KALIMARU/BERAU	Indonesia	ASI
WALX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MANGKAJANG	Indonesia	ASI
WAMG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GORONTALO	Indonesia	ASI

CNS/MET SG/14-WP/29
Attachment

YPKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KARRATHA	Australia	ASI	
YPKS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PARKES	Australia	ASI
YPKU	432	432	432	431	425	429	429	0	0	0	0	0	0	0	19	19	22	20	17	18	18	KUNUNURRA	Australia	ASI
YPLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PORT LINCOLN	Australia	ASI
YPMQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PORT MACQUARIE	Australia	ASI
YPOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PORTLAND	Australia	ASI
YQDI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	QUIRINDI	Australia	ASI
YQLP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	QUILPIE	Australia	ASI
YREN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RENMARK	Australia	ASI
YRMD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RICHMOND (QLD)	Australia	ASI
YROM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ROMA	Australia	ASI
YSBK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SYDNEY/BANKSTOWN	Australia	ASI
YSCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	COFFS HARBOUR	Australia	ASI
YSCN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAMDEN	Australia	ASI
YSCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SCONE	Australia	ASI
YSGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ST. GEORGE	Australia	ASI
YSHK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SHARK BAY AIRPORT	Australia	ASI
YSHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SHEPPARTON	Australia	ASI
YSMI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SMITHTON	Australia	ASI
YSNB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SNAKE BAY	Australia	ASI
YSNW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NOWRA	Australia	ASI
YSPE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STANTHORPE	Australia	ASI
YSRN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STRAHAN	Australia	ASI
YSTW	429	431	431	432	430	432	432	0	0	0	0	0	0	0	34	36	34	33	30	36	31	TAMWORTH	Australia	ASI
YSWG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WAGGA WAGGA	Australia	ASI
YSWH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SWAN HILL	Australia	ASI
YTEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TREPELL	Australia	ASI
YTEF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TELFER	Australia	ASI
YTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TEMORA	Australia	ASI
YTGM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	THARGOMINDAH	Australia	ASI
YTGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	THE GRANITES	Australia	ASI
YTMO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	THE MONUMENT	Australia	ASI
YTNG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	THANGOOL	Australia	ASI
YTNK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TENNANT CREEK	Australia	ASI
YTOC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TOCUMWAL,NSW	Australia	ASI
YTRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAREE	Australia	ASI
YTST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MUNGALALU-TRUSCOTT	Australia	ASI
YTWB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TOOWOOMBA	Australia	ASI
YWBL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WARRNAMBOOL	Australia	ASI
YWDH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WINDORAH	Australia	ASI
YWGT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WANGARATA	Australia	ASI
YWHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WHYALLA	Australia	ASI
YWKB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WARRACKNABEAL	Australia	ASI
YWLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WALGETT	Australia	ASI
YWLU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WILUNA	Australia	ASI
YWOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WOLLONGONG	Australia	ASI
YWSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WEST SALE	Australia	ASI
YWTN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WINTON	Australia	ASI
YWWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WEST WYALONG	Australia	ASI
YWYM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WYNDHAM	Australia	ASI
YWYY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WYNYARD	Australia	ASI
YYNG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	YOUNG	Australia	ASI
ZBLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HAILAR/DONGSHAN	China	ASI
ZBMZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MANZHOU LI/XIJIAO	China	ASI
ZBSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	QINHUANGDAO	China	ASI
ZBSJ	216	216	216	216	216	216	216	0	0	0	0	0	0	0	36	35	36	36	36	35	34	SHIJIAZHUANG/ZHENG DING	China	ASI
ZGSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ZHUHAI/SANZAO	China	ASI
ZHCC	216	216	216	215	216	216	215	0	0	0	0	0	0	0	36	36	36	35	36	36	36	ZHENGZHOU/XINZHENG	China	ASI
ZLGM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GOLMUD	China	ASI
ZLIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	YINCHUAN	China	ASI
ZMCD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CHOIBALSAN	Mongolia	ASI
ZMMH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MURUN	Mongolia	ASI
ZMSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SAINSHAND	Mongolia	ASI
ZPJH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	XISHUANGBANNA/GASA	China	ASI
ZSCN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NANCHANG/CHANGBEI	China	ASI
ZSNB	213	216	214	216	214	215	214	0	0	0	0	0	0	0	36	36	36	36	36	36	36	NINGBO/LISHE	China	ASI
ZSTX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TUNXI/HUANG SHAN	China	ASI
ZSWH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WEIHAI/DASHUIPO	China	ASI
ZSWY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	WUYISHAN	China	ASI
ZSYN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	YANCHENG/NANYANG	China	ASI

