

Update to Signalling Unit Logs December 2014

Requests have been received from external interested parties to release any information from the SU logs (recorded at the ground earth station for the communications with the terminal on 9M-MRO) containing BTO and BFO values prior to those originally published. There are two logs that contain BTO and BFO data prior to 1600 UTC while 9M-MRO was powered-up at the gate in Kuala Lumpur. The two additional log messages have been incorporated into the first two lines of the table below. As the two message are from Channel R600, a 4,600 microseconds calibration needs to be subtracted ($19380 - 4600 = 14780$) when comparing with subsequent R1200 messages. This is the same as applied for the messages at 18:25:27 and 00:19:29. The remainder of this document is as previously released by Malaysia in May 2014.

Notes for Signalling Unit Log for (9M-MRO) Flight MH370

This set of notes and accompanying tables is intended to provide a readable summary of the data communication logs from the Inmarsat satellite system provided to the authorities in connection with the ongoing investigation and search and rescue activities relating to MH370.

- All times are in UTC
- The table below is a readable form of the logfile recorded at the ground earth station for the communications with the terminal on MH370 from 16:00 to the last Handshake Request (Log On Interrogation) attempt at 01:16 UTC
- Some columns which contain no material information have been removed from the tables below for readability

An example of a complete message for a single log entry:

Field Headings:

Time, AES ID, DP AES Owner, Channel Name, Ocean Region, GES ID (octal), Channel Bearer, Channel Unit ID, Channel Type, Superframe Number, Frame Number, Slot Number, SU Number, SU Type, SU Type Code, SU Contents, Q Number, Reference Number, Ack Control, SDM Figure, CRC Correct, Missed T-Channel Burst, Broadcast, Rx Power (dBm), C/No, Frequency Offset (Hz), Estimated BER, Burst Timing Offset (microseconds)

Example message:

7/03/2014 16:42:04.408,35200217,SITADP (3047),10R-R1200-0-36ED,IOR,305,Rx Primary,4,R-Channel RX,12184,5,0x62- Acknowledge User Data (R-channel),62,1F DO 62 75 00 SF CS 7A 4E 00 00 00 00 00 00 00 00 7F 89 ,D,O,E,S31,Yes,No,No,-57.29,40.09,146,0,14920

Understanding the Burst Timing Offset (BTO) values:

- The round trip time for a message is a combination of:
 1. Time from the ground station satellite aircraft satellite ground station
 2. Processing time within the ground station, satellite and aircraft terminal, which are constant
- The BTO is a value (in microseconds) relative to a terminal at a nominal fixed location. Only R-Channel messages are used.
- The BTO therefore allows the determination of the distance between the satellite and the aircraft. It does not provide the actual aircraft location

Understanding the Burst Frequency Offset (BFO) values:

- The transmission signal path from the aircraft has two components affected by Doppler shift; between the satellite and aircraft, and between the satellite and ground station
- The following need to be considered when computing the expected frequency offset:
 - o Inmarsat Classic Aero mobile terminals are designed to correct for aircraft Doppler effects on their transmit signals. The terminal type used on MH370 assumes a stationary satellite at a fixed orbital position
 - o An individual aircraft terminal will have a fixed frequency bias
 - o Satellite, terminal and ground station oscillator stability
 - o The correction applied by the Automatic Frequency Control (AFC) system in the ground station partially compensates for the satellite to ground station Doppler

Readable Log Messages:provided in connection with the MH370 investigation and search and rescue activities
(please read in conjunction with the notes pages)

Pre Take-Off

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 15:59:55.413	IOR-R600-0-36F8	IOR	305	10	R-Channel RX	0x10 - Log-on Request (ISU)/Log-on Flight Information (SSU)	99	19380
7/03/2014 15:59:56.413	IOR-R600-0-36F8	IOR	305	10	R-Channel RX	0x10 - Log-on Request (ISU)/Log-on Flight Information (SSU)	99	19380
7/03/2014 16:00:13.406	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	0x1S - Log-on/Log-off Acknowledge	103	14820
7/03/2014 16:00:13.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	0x1S - Log-on/Log-off Acknowledge		
7/03/2014 16:00:17.430	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Eleven Octet User Data	103	14740
7/03/2014 16:00:17.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Eleven Octet User Data	103	14780
7/03/2014 16:00:18.406	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Eight Octet User Data	103	14820
7/03/2014 16:00:18.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	0x62 -Acknowledge User Data		
7/03/2014 16:00:20.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	0x71- User Data {ISU}- RLS		
7/03/2014 16:00:20.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:00:20.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:00:20.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:00:22.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	0x62- Acknowledge User Data (R-channel)	104	14740
7/03/2014 16:00:23.407	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	0x22- Access Request (R/T-Channel)	103	14820
7/03/2014 16:00:23.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	0x51- T-Channel Assignment		
7/03/2014 16:00:27.741	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	0x71- User Data {ISU}- RLS	86	9820
7/03/2014 16:00:27.901	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	86	9820
7/03/2014 16:00:28.061	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9820
7/03/2014 16:00:28.221	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9820
7/03/2014 16:00:28.405	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9820
7/03/2014 16:00:28.541	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9820
7/03/2014 16:00:29.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	0x62 -Acknowledge User Data		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/2014 16:00:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:00:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:00:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:00:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:00:32.406	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	85	14820
7/03/2014 16:01:16.406	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Eleven Octet User Data	86	14820
7/03/2014 16:01:16.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Four Octet User Data	86	14820
7/03/2014 16:01:17.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62-Acknowledge User Data		
7/03/2014 16:01:18.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:01:18.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:01:19.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Ox22- Access Request (R/T-Channel)	87	14780
7/03/2014 16:01:20.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 16:01:20.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	87	14800
7/03/2014 16:01:24.241	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	88	9800
7/03/2014 16:01:24.401	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9800
7/03/2014 16:01:24.561	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9800
7/03/2014 16:01:24.721	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9800
7/03/2014 16:01:24.881	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	86	9800
7/03/2014 16:01:25.041	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	86	9800
7/03/2014 16:01:25.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62-Acknowledge User Data		
7/03/2014 16:01:26.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:01:26.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:01:28.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	86	14800
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:32.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:06:38.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:40.907	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	87	14820
7/03/2014 16:06:41.409	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	87	14820
7/03/2014 16:06:41.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	87	14800
7/03/2014 16:06:42.406	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eight Octet User Data	87	14880
7/03/2014 16:06:42.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62-Acknowledge User Data		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:46.416	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	90	14840
7/03/2014 16:06:46.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	86	14780
7/03/2014 16:06:47.406	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	88	14840
7/03/2014 16:06:47.907	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eight Octet User Data	87	14800
7/03/2014 16:06:48.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62-Acknowledge User Data		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:52.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	87	14800
7/03/2014 16:06:53.406	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	87	14860
7/03/2014 16:06:53.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	88	14780
7/03/2014 16:06:54.407	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eight Octet User Data	88	14860
7/03/2014 16:06:54.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:56.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:06:58.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	89	14780
7/03/2014 16:06:59.406	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	89	14900
7/03/2014 16:06:59.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	89	14780
7/03/2014 16:07:00.407	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eight Octet User Data	89	14860
7/03/2014 16:07:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62-Acknowledge User Data		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:02.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:04.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	88	14820
7/03/2014 16:07:05.407	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	88	14820
7/03/2014 16:07:05.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eleven Octet User Data	89	14860
7/03/2014 16:07:06.407	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Eight Octet User Data	88	14820
7/03/2014 16:07:06.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62-Acknowledge User Data		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data (ISU)- RLS		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:10.906	IOR-R1200-0-3603	IOR	305	8	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	87	14800

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:07:11.406	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Eleven Octet User Data	88	14860
7/03/2014 16:07:11.906	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Eleven Octet User Data	87	14840
7/03/2014 16:07:13.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/2014 16:07:15.907	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Eight Octet User Data	84	14820
7/03/2014 16:07:16.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data (ISU)- RLS		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:18.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:07:20.407	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	84	14840
7/03/2014 16:07:20.907	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Eleven Octet User Data	84	14800
7/03/2014 16:07:21.408	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Eleven Octet User Data	84	14840
7/03/2014 16:07:21.908	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Eight Octet User Data	84	14840
7/03/2014 16:07:22.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/2014 16:09:37.407	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox22- Access Request (R/T-Channel)	84	14840
7/03/2014 16:09:37.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 16:09:41.749	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Ox71- User Data (ISU)- RLS	88	9900
7/03/2014 16:09:41.948	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	88	9900

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:09:42.068	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9900
7/03/2014 16:09:42.260	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9900
7/03/2014 16:09:42.405	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	90	9900
7/03/2014 16:09:42.548	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	90	9900
7/03/2014 16:09:42.709	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	90	9900
7/03/2014 16:09:42.869	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	90	9900
7/03/2014 16:09:43.028	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9900
7/03/2014 16:09:43.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62- Acknowledge User Data		
7/03/2014 16:09:44.907	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:09:44.907	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:09:44.907	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:09:44.907	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:09:46.907	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	85	14840
7/03/2014 16:11:03.907	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox22- Access Request (R/T-Channel)	84	14840
7/03/2014 16:11:04.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 16:11:08.306	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	89	9820
7/03/2014 16:11:08.409	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9820
7/03/2014 16:11:08.568	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9820
7/03/2014 16:11:08.746	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9820
7/03/2014 16:11:08.888	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9820
7/03/2014 16:11:09.068	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	89	9820
7/03/2014 16:11:09.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62- Acknowledge User Data		
7/03/2014 16:11:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:11:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:11:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:11:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:11:13.408	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	84	14860
7/03/2014 16:27:59.407	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox22- Access Request (R/T-Channel)	88	14920
7/03/2014 16:27:59.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox53- Reservation Forthcoming (RFC)		
7/03/2014 16:28:01.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 16:28:10.641	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Ox71- User Data {ISU}- RLS	87	9920
7/03/2014 16:28:10.801	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	87	9920
7/03/2014 16:28:10.961	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:11.142	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:11.281	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:11.479	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:11.601	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:11.761	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:11.952	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:12.081	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:12.258	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	88	9920
7/03/2014 16:28:12.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/2014 16:28:13.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/2014 16:28:13.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:28:13.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:28:13.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:28:15.909	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	85	14860
7/03/2014 16:29:17.407	IOR-R1200-0-36E3	IOR	305	11	R-Channel RX	Ox22- Access Request (R/T-Channel)	95	14860
7/03/2014 16:29:17.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 16:29:21.748	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	99	9940
7/03/2014 16:29:21.908	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:22.068	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:29:22.228	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:22.388	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:22.570	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:22.708	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	100	9940
7/03/2014 16:29:22.895	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	100	9940
7/03/2014 16:29:23.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:23.197	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:23.348	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:23.508	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:23.668	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:23.829	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:23.988	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:24.029	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:25.760	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	100	9940
7/03/2014 16:29:25.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	100	9940
7/03/2014 16:29:26.081	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:26.251	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:26.388	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:26.548	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:26.745	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:26.868	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:27.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:27.188	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	98	9940
7/03/2014 16:29:27.349	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	100	9940
7/03/2014 16:29:27.508	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	100	9940
7/03/2014 16:29:27.668	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:29:27.828	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:27.988	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	99	9940
7/03/2014 16:29:28.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/2014 16:29:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data (ISU)- RLS		
7/03/2014 16:29:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:29:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:29:30.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:29:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/2014 16:29:41.907	IOR-R1200-0-36D3	IOR	305	8	R-Channel RX	Ox22- Access Request (R/T-Channel)	96	14920
7/03/2014 16:29:42.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 16:29:46.242	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Ox71- User Data (ISU)- RLS	93	9900
7/03/2014 16:29:46.402	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:46.562	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:46.744	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:46.882	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	91	9900
7/03/2014 16:29:47.042	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	91	9900
7/03/2014 16:29:47.202	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:47.362	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:47.522	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	92	9900
7/03/2014 16:29:47.682	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	92	9900
7/03/2014 16:29:47.856	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	91	9900
7/03/2014 16:29:47.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/2014 16:29:48.039	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	91	9900
7/03/2014 16:29:48.162	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:48.322	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	93	9900
7/03/2014 16:29:48.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 16:29:49.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	87	14940
7/03/2014 16:29:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data (ISU)- RLS		
7/03/2014 16:29:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:29:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:29:50.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/2014 16:29:52.406	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	89	14920

Post Take-Off

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
16:41- Take-Off.Logged-On to Ground Earth Station (GES) 305/301, via the Indian Ocean Region (IOR) Inmarsat 1-3 satellite								
7/03/201416:41:52.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	141	14940
7/03/201416:41:53.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:41:57.248	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Ox71- User Data {ISU}- RLS	142	9920
7/03/201416:41:57.409	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	142	9920
7/03/201416:41:57.569	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	140	9920
7/03/201416:41:57.728	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Ox22- Access Request (R/T-Channel)	140	9920
7/03/201416:41:57.905	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	140	9920
7/03/201416:41:58.048	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	140	9920
7/03/201416:41:58.208	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	140	9920
7/03/201416:41:58.399	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	140	9920
7/03/201416:41:58.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:41:58.528	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	141	9920
7/03/201416:41:58.697	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	141	9920
7/03/201416:41:58.729	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	141	9920
7/03/201416:41:59.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:42:00.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201416:42:00.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:00.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:00.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:02.068	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	147	9980
7/03/201416:42:02.229	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	9980
7/03/201416:42:02.388	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	9980
7/03/201416:42:02.553	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	9980
7/03/201416:42:02.708	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9980

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:42:02.868	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9980
7/03/201416:42:03.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	149	9980
7/03/201416:42:03.188	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	149	9980
7/03/201416:42:03.348	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9980
7/03/201416:42:03.508	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9980
7/03/201416:42:04.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:42:04.408	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	146	14920
7/03/201416:42:17.406	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	160	14960
7/03/201416:42:17.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:42:21.748	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	157	9940
7/03/201416:42:21.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	157	9940
7/03/201416:42:22.069	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	154	9940
7/03/201416:42:22.239	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	154	9940
7/03/201416:42:22.388	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	156	9940
7/03/201416:42:22.550	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	156	9940
7/03/201416:42:22.708	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	157	9940
7/03/201416:42:22.891	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	157	9940
7/03/201416:42:23.039	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	154	9940
7/03/201416:42:23.188	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	154	9940
7/03/201416:42:23.348	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	153	9940
7/03/201416:42:23.508	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	153	9940
7/03/201416:42:23.697	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	152	9940
7/03/201416:42:23.828	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	152	9940
7/03/201416:42:23.988	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	150	9940
7/03/201416:42:24.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	150	9940
7/03/201416:42:25.748	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9940
7/03/201416:42:25.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9940

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:42:26.068	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9940
7/03/201416:42:26.229	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9940
7/03/201416:42:26.388	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	146	9940
7/03/201416:42:26.548	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	146	9940
7/03/201416:42:26.709	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9940
7/03/201416:42:26.868	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	9940
7/03/201416:42:27.028	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	146	9940
7/03/201416:42:27.189	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	146	9940
7/03/201416:42:27.348	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	145	9940
7/03/201416:42:27.509	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	145	9940
7/03/201416:42:27.668	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	144	9940
7/03/201416:42:27.828	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	144	9940
7/03/201416:42:27.988	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	145	9940
7/03/201416:42:28.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62- Acknowledge User Data		
7/03/201416:42:29.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201416:42:29.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:29.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:29.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:31.906	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	125	14900
7/03/201416:42:32.906	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	127	14900
7/03/201416:42:33.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:42:37.248	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	121	9940
7/03/201416:42:37.408	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	121	9940
7/03/201416:42:37.568	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	121	9940
7/03/201416:42:37.765	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	121	9940
7/03/201416:42:37.888	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	120	9940
7/03/201416:42:38.048	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	120	9940

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:42:38.208	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9940
7/03/201416:42:38.368	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9940
7/03/201416:42:38.546	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9940
7/03/201416:42:38.689	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9940
7/03/201416:42:38.848	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9940
7/03/201416:42:39.041	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9940
7/03/201416:42:39.168	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	121	9940
7/03/201416:42:39.328	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	121	9940
7/03/201416:42:39.489	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9940
7/03/201416:42:39.528	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9940
7/03/201416:42:41.248	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9900
7/03/201416:42:41.409	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9900
7/03/201416:42:41.568	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:41.747	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:41.888	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:42.082	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:42.208	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:42.368	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:42.529	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:42.688	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:42.848	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9900
7/03/201416:42:43.008	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	122	9900
7/03/201416:42:43.168	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	123	9900
7/03/201416:42:43.328	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	123	9900
7/03/201416:42:43.488	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	124	9900
7/03/201416:42:44.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:42:45.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:42:45.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:45.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:45.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:42:47.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	123	14920
7/03/201416:42:48.406	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	123	14900
7/03/201416:42:48.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:42:52.748	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Ox71- User Data (ISU)- RLS	131	9960
7/03/201416:42:52.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	131	9960
7/03/201416:42:53.068	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	9960
7/03/201416:42:53.247	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	9960
7/03/201416:42:53.388	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:53.548	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:53.708	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:53.868	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:54.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:54.188	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:54.348	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:54.509	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:54.668	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	9960
7/03/201416:42:54.828	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	9960
7/03/201416:42:54.988	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:55.029	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:56.787	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:56.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:57.068	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:57.228	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:57.388	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:42:57.548	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:57.708	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	9960
7/03/201416:42:57.868	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	9960
7/03/201416:42:58.028	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	9960
7/03/201416:42:58.188	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	9960
7/03/201416:42:58.359	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	9960
7/03/201416:42:58.508	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	9960
7/03/201416:42:58.669	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:58.828	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	9960
7/03/201416:42:59.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:43:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU)- RLS		
7/03/201416:43:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:43:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:43:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:43:10.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/201416:43:12.407	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	126	14920
7/03/201416:55:23.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	156	15200
7/03/201416:55:24.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:55:28.290	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Ox71- User Data {ISU)- RLS	157	10220
7/03/201416:55:28.409	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	157	10220
7/03/201416:55:28.569	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	157	10220
7/03/201416:55:28.747	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	157	10220
7/03/201416:55:28.889	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:29.049	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:29.247	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:29.369	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:29.529	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:55:29.689	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:29.849	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:30.009	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:30.169	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:30.362	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:30.502	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:30.538	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:32.249	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:32.409	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:32.569	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:32.729	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:32.905	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:33.049	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:33.237	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:33.369	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:33.529	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:33.689	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	160	10220
7/03/201416:55:33.849	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	158	10220
7/03/201416:55:34.009	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	158	10220
7/03/201416:55:34.169	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:34.329	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	159	10220
7/03/201416:55:34.489	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	158	10220
7/03/201416:55:35.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:55:35.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201416:55:35.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:55:35.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:55:35.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:55:37.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	156	15200
7/03/201416:55:38.407	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	155	15220
7/03/201416:55:38.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:55:42.748	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Ox71- User Data (ISU)- RLS	161	10240
7/03/201416:55:42.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	161	10240
7/03/201416:55:43.068	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:43.260	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:43.405	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:43.548	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:43.740	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	161	10240
7/03/201416:55:43.868	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	161	10240
7/03/201416:55:44.029	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:44.188	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:44.348	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:44.508	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:44.669	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:44.828	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10240
7/03/201416:55:44.988	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	159	10240
7/03/201416:55:45.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	159	10240
7/03/201416:55:46.748	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10200
7/03/201416:55:46.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10200
7/03/201416:55:47.068	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10200
7/03/201416:55:47.229	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	160	10200
7/03/201416:55:47.390	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	159	10200
7/03/201416:55:47.549	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	159	10200
7/03/201416:55:47.709	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	161	10200
7/03/201416:55:47.899	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	161	10200

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:55:48.028	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10200
7/03/201416:55:48.188	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10200
7/03/201416:55:48.355	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10200
7/03/201416:55:48.509	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10200
7/03/201416:55:48.669	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10200
7/03/201416:55:48.828	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10200
7/03/201416:55:48.988	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10200
7/03/201416:55:49.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:55:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201416:55:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:55:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:55:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:55:52.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	159	15200
7/03/201416:55:53.407	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	159	15240
7/03/201416:55:53.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201416:55:57.748	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	163	10240
7/03/201416:55:57.910	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:55:58.087	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:58.228	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:58.388	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10240
7/03/201416:55:58.548	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10240
7/03/201416:55:58.708	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10240
7/03/201416:55:58.869	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10240
7/03/201416:55:59.028	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:55:59.188	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:55:59.348	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:59.508	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:55:59.669	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:59.828	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:55:59.988	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/2014 16:56:00.060	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:01.749	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10240
7/03/2014 16:56:01.909	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	164	10240
7/03/201416:56:02.068	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:02.229	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:02.388	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:02.548	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:02.747	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:02.868	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:03.028	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:03.188	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:03.348	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:03.508	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/201416:56:03.668	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:56:03.828	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	162	10240
7/03/201416:56:03.988	IOR-T1200-0-3607	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	163	10240
7/03/2014 16:56:04.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201416:56:05.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201416:56:05.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:56:05.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:56:05.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:56:07.906	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	158	15220
7/03/2014 16:56:08.407	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	158	15200
7/03/2014 16:56:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201416:56:12.748	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Ox71- User Data {ISU}- RLS	156	10260
7/03/201416:56:12.949	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	156	10260
7/03/201416:56:13.068	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	156	10260
7/03/201416:56:13.228	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	156	10260
7/03/201416:56:13.403	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	156	10260
7/03/201416:56:13.548	IOR-T1200-0-36FA	IOR	305	10	T-Channel RX	Subsequent Signalling Unit	156	10260
7/03/2014 16:56:14.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62- Acknowledge User Data		
7/03/201416:56:15.410	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201416:56:15.410	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:56:15.410	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:56:15.410	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201416:56:17.407	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	156	15240
7/03/201417:06:49.406	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	129	15600
7/03/201417:06:49.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201417:06:53.749	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Ox71- User Data {ISU}- RLS	135	10600
7/03/201417:06:53.909	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:54.069	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:54.229	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:54.389	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:54.550	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:54.736	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:54.869	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:55.045	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:55.189	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:55.349	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:55.509	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:55.669	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
7/03/201417:06:55.829	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:55.989	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:56.029	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:57.749	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:06:57.909	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:06:58.069	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:58.236	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:58.389	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:58.569	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:58.709	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:58.869	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:59.052	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:59.197	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10600
7/03/201417:06:59.349	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:59.509	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:06:59.682	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:06:59.829	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:06:59.989	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10600
7/03/201417:07:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201417:07:01.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201417:07:01.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:01.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:01.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:03.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	130	15600
7/03/201417:07:04.406	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	131	15620
7/03/201417:07:04.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201417:07:08.749	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	133	10600

Time	Channel Name	Ocean Region	GESID (octal)	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201417:07:08.948	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:09.069	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:09.229	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:09.389	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:09.548	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:09.747	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:09.869	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:10.029	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	10600
7/03/201417:07:10.197	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	10600
7/03/201417:07:10.349	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:10.509	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10600
7/03/201417:07:10.669	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	10600
7/03/201417:07:10.829	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	10600
7/03/201417:07:10.989	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	10600
7/03/201417:07:11.028	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	132	10600
7/03/201417:07:12.748	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:12.909	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:13.068	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	138	10600
7/03/201417:07:13.229	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	138	10600
7/03/201417:07:13.388	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:13.548	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:13.709	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:13.868	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:14.029	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:14.188	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:14.348	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:14.510	IOR-T1200-0-3608	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201417:07:14.669	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:14.829	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10600
7/03/201417:07:15.028	IOR-T1200-0-36D8	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	138	10600
7/03/201417:07:15.906	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201417:07:16.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201417:07:16.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:16.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:16.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:18.906	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	132	15600
7/03/201417:07:19.407	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	132	15660
7/03/201417:07:19.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201417:07:23.766	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	137	10640
7/03/201417:07:23.908	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10640
7/03/201417:07:24.069	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10640
7/03/201417:07:24.258	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	137	10640
7/03/201417:07:24.389	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10640
7/03/201417:07:24.559	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10640
7/03/201417:07:24.709	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10640
7/03/201417:07:24.869	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10640
7/03/201417:07:25.029	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10640
7/03/201417:07:25.189	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	133	10640
7/03/201417:07:25.352	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:25.509	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:25.669	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:25.829	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:26.003	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:26.028	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201417:07:27.749	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:27.909	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:28.069	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:28.228	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:28.388	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:28.548	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:28.709	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:28.894	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:29.029	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:29.188	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	134	10640
7/03/201417:07:29.349	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:29.509	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:29.675	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:29.829	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:29.988	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	135	10640
7/03/201417:07:30.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201417:07:31.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU)- RLS		
7/03/201417:07:31.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:31.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:31.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:33.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	130	15620
7/03/201417:07:34.427	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	132	15620
7/03/201417:07:34.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/201417:07:38.749	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Ox71- User Data {ISU)- RLS	136	10620
7/03/201417:07:38.910	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620
7/03/201417:07:39.076	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620
7/03/201417:07:39.229	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620

Time	Channel Name	Ocean Region	GESID (octal)	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201417:07:39.389	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:39.549	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:39.709	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620
7/03/201417:07:39.869	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620
7/03/201417:07:40.030	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:40.189	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:40.349	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:40.509	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:40.673	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:40.829	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:40.989	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:41.029	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:42.762	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:42.909	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:43.093	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:43.258	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:43.405	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:43.549	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:43.743	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620
7/03/201417:07:43.869	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	136	10620
7/03/201417:07:44.029	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10620
7/03/201417:07:44.197	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	134	10620
7/03/201417:07:44.389	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:44.517	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:44.669	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:44.829	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620
7/03/201417:07:44.989	IOR-T1200-0-3718	IOR	305	12	T-Channel RX	Subsequent Signalling Unit	135	10620

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201417:07:45.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201417:07:46.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU)- RLS		
7/03/201417:07:46.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:46.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201417:07:46.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
17:07- Last Acknowledged Ground to Air DATA-2 ACARS Message. Link lost at sometime between here and 18:03:41.								
7/03/201417:07:48.907	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	131	15620
18:03- No Response to Ground to Air DATA-2 ACARS Data. Link lost at sometime between 17:07:48 and here.								
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU)- RLS		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:41.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:03:50.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/2014 18:04:00.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/2014 18:04:08.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/201418:04:19.420	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/201418:04:29.413	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
18:04- Last of five requests for Acknowledge to the Air DATA-2 ACARS Data at 18:03								
18:05:11- Data-2 Ground to Air transmission, automatic ACARS retransmission after expiry of 90 sec timer. Terminal is not responding.								
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		

Time	Channel Name	Ocean Region	GESID (octal)	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:11.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:05:21.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/201418:05:32.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/201418:05:42.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
7/03/201418:05:51.405	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
7/03/201418:05:59.905	IOR-P10500-0-3859	IOR	305	10	P-Channel TX	Ox61- Request for Acknowledge (RQA) User Data		
18:25- Log-On Request, initiated from the aircraft terminal. This is the end of the link lost period that began at sometime between 17:07:48 and 18:03:41.								
7/03/201418:25:27.421	IOR-R600-0-36E1	IOR	305	8	R-Channel RX	Ox10- Log-on Request (ISU)/Log-on Flight Information {SSU}	142	17120
7/03/201418:25:28.852	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Ox11- Log-on Confirm		
7/03/201418:25:29.572	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Ox40- P-/R-Channel Control {ISU}		
7/03/201418:25:29.572	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:25:30.213	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Ox41- T-Channel Control {ISU}		
7/03/201418:25:30.213	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:25:34.461	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox1S - Log-on/Log-off Acknowledge	273	51700
7/03/201418:25:35.408	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox1S - Log-on/Log-off Acknowledge		
7/03/201418:27:03.905	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Eleven Octet User Data	176	12560
7/03/201418:27:04.405	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Four Octet User Data	175	12520
7/03/201418:27:04.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201418:27:06.407	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201418:27:06.407	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
7/03/201418:27:08.404	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	172	12520
7/03/201418:28:05.904	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox22- Access Request (R/T-Channel)	144	12500
7/03/2014 18:28:06.407	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox51- T-Channel Assignment		
7/03/2014 18:28:10.260	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Ox71- User Data {ISU}- RLS	148	7540
7/03/2014 18:28:10.398	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	148	7540
7/03/2014 18:28:10.559	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	7540
7/03/201418:28:10.718	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	7540
7/03/2014 18:28:10.879	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	7540
7/03/201418:28:11.054	IOR-T1200-0-36D7	IOR	305	8	T-Channel RX	Subsequent Signalling Unit	147	7540
7/03/201418:28:11.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox62 -Acknowledge User Data		
7/03/201418:28:12.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox71- User Data {ISU}- RLS		
7/03/201418:28:12.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 18:28:14.904	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox62- Acknowledge User Data (R-channel)	143	12480
18:39- Ground Initiated to Air Telephony Call- Zero Duration (Not Answered)								
7/03/2014 18:39:52.907	IOR-P10500-0-386B	IOR	301	10	P-Channel TX	Ox20- Access Request/Call Announcement Telephone/Circuit-Mode Data		
7/03/2014 18:39:52.907	IOR-P10500-0-386B	IOR	301	10	P-Channel TX	Ox33- C-Channel Assignment (Regularity)		
7/03/2014 18:39:52.907	IOR-P10500-0-386B	IOR	301	10	P-Channel TX	Ox20- Access Request/Call Announcement Telephone/Circuit-Mode Data		
7/03/2014 18:39:52.907	IOR-P10500-0-386B	IOR	301	10	P-Channel TX	Ox33- C-Channel Assignment (Regularity)		
7/03/2014 18:39:55.354	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	88	
84 C-Channel and 2 P-Channel messages moved into separate below table (see appendix 1) to ease the reading of key events. C-Channel messages have no BTO values								
7/03/2014 18:40:56.354	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	90	
19:41- Handshake Request, with response								
7/03/2014 19:41:00.910	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
7/03/2014 19:41:02.906	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox1S - Log-on/Log-off Acknowledge	111	11500
20:41- Handshake Request, with response								
7/03/2014 20:41:02.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
7/03/2014 20:41:04.904	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox1S - Log-on/Log-off Acknowledge	141	11740
21:41- Handshake Request, with response								
7/03/2014 21:41:24.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
7/03/2014 21:41:26.905	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox1S - Log-on/Log-off Acknowledge	168	12780
22:41- Handshake Request, with response								
7/03/2014 22:41:19.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
7/03/2014 22:41:21.906	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox1S - Log-on/Log-off Acknowledge	204	14540
23:13- Ground Initiated to Air Telephony Call- Zero Duration (Not Answered)								
7/03/2014 23:13:58.407	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox20- Access Request/Call Announcement Telephone/Circuit-Mode Data		
7/03/2014 23:13:58.407	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox33- C-Channel Assignment (Regularity)		
7/03/2014 23:14:00.904	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	

Time	Channel Name	Ocean Region	GESID (octal)	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
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48 C-Channel and 1P-Channel messages moved into separate below table (see appendix 2) to ease the reading of key events. C-Channel messages have no BTO values

7/03/2014 23:15:02.032	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	219	
00:10:58- Handshake Request, with response								
8/03/2014 00:10:58.000	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
8/03/2014 00:10:59.928	IOR-R1200-0-36ED	IOR	305	4	R-Channel RX	Ox1S- Log-on/Log-off Acknowledge	252	18040
00:19:29- Log-On Request (reported as a Partial Handshake), initiated from the aircraft terminal								
8/03/2014 00:19:29.416	IOR-R600-0-36F8	IOR	305	10	R-Channel RX	Ox1O- Log-on Request (ISU)/Log-on Flight Information {SSU}	182	23000
8/03/2014 00:19:31.572	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Ox1I- Log-on Confirm		
8/03/2014 00:19:32.212	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Ox40- P-/R-Channel Control {ISU}		
8/03/2014 00:19:32.212	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
8/03/2014 00:19:32.852	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Ox41- T-Channel Control {ISU}		
8/03/2014 00:19:32.852	IOR-P600-0-36FC	IOR	305	10	P-Channel TX	Subsequent Signalling Unit		
00:19:37- Note that the following R-Channel burst at 00:19:37.443 is the last transmission received from the aircraft terminal								
8/03/2014 00:19:37.443	IOR-R1200-0-36F6	IOR	305	10	R-Channel RX	Ox1S - Log-on/Log-off Acknowledge	-2	49660
8/03/2014 00:19:38.407	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox1S - Log-on/Log-off Acknowledge		
01:15:56-Handshake Request- No Response from Aircraft Terminal								
8/03/2014 01:15:56.000	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
01:16:06- Handshake Request- No Response from Aircraft Terminal								
8/03/2014 01:16:06.000	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		
01:16:15- Handshake Request- No Response from Aircraft Terminal								
8/03/2014 01:16:15.000	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox14- Log Control- Log-on Interrogation		

Appendix 1

Messages extracted between 18:39:55 and 18:40:56 above to ease reading

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset {Hz} BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 18:39:55.664	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	87	
7/03/2014 18:39:55.673	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:55.837	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:55.862	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	87	
7/03/2014 18:39:55.988	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:55.999	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	87	
7/03/2014 18:39:56.165	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	87	
7/03/2014 18:39:56.173	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.215	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	86	
7/03/2014 18:39:56.344	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.491	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.499	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	87	
7/03/2014 18:39:56.524	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.524	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	86	
7/03/2014 18:39:56.665	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	86	
7/03/2014 18:39:56.673	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.703	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.741	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	86	
7/03/2014 18:39:56.835	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.854	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	90	
7/03/2014 18:39:56.859	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	90	

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 18:39:56.860	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.982	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:56.999	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:57.008	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:57.024	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	89	
7/03/2014 18:39:57.167	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:57.199	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:57.247	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	89	
7/03/2014 18:39:57.360	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:57.360	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	88	
7/03/2014 18:39:57.360	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:57.499	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:57.508	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:57.548	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	88	
7/03/2014 18:39:57.697	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:57.702	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 18:39:57.747	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:57.854	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:57.859	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:57.860	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.013	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:58.013	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.057	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:58.191	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	89	
7/03/2014 18:39:58.198	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.214	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 18:39:58.354	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:58.359	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:58.360	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.407	IOR-P10500-0-386B	IOR	301	10	P-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.508	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.552	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	87	
7/03/2014 18:39:58.702	IOR-373E-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:39:58.748	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	87	
7/03/2014 18:39:58.859	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	88	
7/03/2014 18:39:59.024	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	87	
7/03/2014 18:39:59.245	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	87	
7/03/2014 18:39:59.359	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	87	
7/03/2014 18:39:59.557	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	87	
7/03/2014 18:39:59.747	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	86	
7/03/2014 18:39:59.861	IOR-373E-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	86	
7/03/2014 18:40:02.335	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 18:40:03.164	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	90	
7/03/2014 18:40:12.335	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 18:40:13.164	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	86	
7/03/2014 18:40:22.335	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 18:40:23.164	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	86	
7/03/2014 18:40:32.335	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 18:40:33.167	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	87	
7/03/2014 18:40:42.335	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 18:40:43.197	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	86	
7/03/2014 18:40:52.356	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 18:40:53.170	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	89	
7/03/2014 18:40:54.697	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:54.835	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:54.982	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:55.172	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:55.335	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:55.407	IOR-P10500-0-386B	IOR	301	10	P-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:55.483	IOR-3730-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 18:40:55.499	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	88	
7/03/2014 18:40:55.664	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	90	
7/03/2014 18:40:55.854	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	89	
7/03/2014 18:40:55.999	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	87	
7/03/2014 18:40:56.164	IOR-3730-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	89	

Appendix 2

Messages extracted between 23:14:01 and 23:15:03 above to ease reading

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
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Time	Channel Name	Ocean Region	GESID (octal)	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset (microseconds) BTO
7/03/2014 23:14:01.196	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	217	
7/03/2014 23:14:01.215	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:01.378	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:01.386	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	
7/03/2014 23:14:01.554	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:01.554	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	
7/03/2014 23:14:01.697	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	
7/03/2014 23:14:01.745	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:01.878	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:01.903	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	
7/03/2014 23:14:02.025	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:02.049	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	
7/03/2014 23:14:02.196	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Test	216	
7/03/2014 23:14:02.215	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:02.378	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:02.386	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:02.527	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Test		
7/03/2014 23:14:02.532	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:02.697	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:02.888	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:03.071	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	217	
7/03/2014 23:14:03.196	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:03.386	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:03.531	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:03.696	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox60- Telephony Acknowledge	216	
7/03/2014 23:14:07.905	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		

Time	Channel Name	Ocean Region	GESID {octal}	Channel Unit ID	Channel Type	SU Type	Burst Frequency Offset (Hz) BFO	Burst Timing Offset {microseconds} BTO
7/03/2014 23:14:08.696	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	220	
7/03/2014 23:14:17.878	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 23:14:18.697	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	218	
7/03/2014 23:14:27.878	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 23:14:28.696	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	222	
7/03/2014 23:14:37.905	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 23:14:38.696	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	220	
7/03/2014 23:14:47.878	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 23:14:48.696	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	220	
7/03/2014 23:14:57.878	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Status Report		
7/03/2014 23:14:58.696	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Status Report	218	
7/03/2014 23:15:00.378	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:00.532	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:00.750	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:00.878	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:00.907	IOR-P10500-0-386B	IOR	305	10	P-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:01.025	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:01.197	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	218	
7/03/2014 23:15:01.224	IOR-3737-21000	IOR	305	6	C-Channel TX	Ox30- Call Progress- Channel Release		
7/03/2014 23:15:01.386	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	217	
7/03/2014 23:15:01.532	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	219	
7/03/2014 23:15:01.697	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	219	
7/03/2014 23:15:01.886	IOR-3737-21000	IOR	305	6	C-Channel RX	Ox30- Call Progress- Channel Release	217	