

Title	Example of station parameter reports grouped according IMS1.0 with ISF1.0 extensions
Author	Raymond J. Willemann , IRIS, 1200 New York Ave, NW, Suite 800, Washington DC 20005, U.S.A; E-mail: ray@iris.edu
Version	September 2001

1 Introduction

On the following pages a sample is shown of parameter readings of seismic stations from unassociated arrivals as they were grouped by the National Earthquake Information Center (NEIC) of the USGS in Denver, USA, and reported to the International Data Center (ISC) in Thatcham, UK.

ASCII characters are used as part of the Group and Arrival IDs. According to the IMS1.0 documentation about their data-type "Grouped Arrivals" these characters should help the agency to recognize that several phase arrivals come from the same event but that the reporting station can not locate the event, so they are assigned to the same "group". Note that NEIC uses the groups more restrictively: they only let arrivals share the same group ID if they are at the same station and likely come from the same event. This is within the rules. Examples are, e.g., on page 2 for stations VRAC, TXAR and SLR.

The simple example given below fails to show an important ISF extension, namely the phase information sub-block which allows to give, e.g., for every phase reading, information about what filter was used to do the reading, and so on. This kind of information can now be put, in accordance with the ISF format (see IS10.1) into a "sub-block" that would follow the one shown below and share the same values of arrival ID (column heading ArrID).

The abbreviations used for the different columns are more or less self-explanatory. Column Sta contains the three or four letter station codes and in column Chan the components may be given, in which the parameter reading (time, amplitude, period etc.) was made (Z – vertical, H – horizontal; N – north and E – east). The column for characterizing the arrival quality (Qual) gives either e (for emergent) or i (for impulsive) onsets and may additionally give the polarity of the first motion (c for compression and d for dilatation). Note that (regrettably) in most cases no channel information is provided by the stations and also amplitudes (Amp) and period readings (Per) are rarely given. Azimuth (Azim) and slowness (Slow) readings are usually reported from seismic arrays only (see, e.g., YKA – Yellowknife Array on page 2). In the column SNR measurements of the signal-to-noise ratio could be reported, which, however, would make sense only with accompanying information in the phase information sub-block about the filter bandwidth. Note, that in some cases the column Author (reporting station or network/array) may also be blank (see page 6).

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Group	C	Author	ArrID
	VRAC	???		2000/09/01	00:05:41.30	Pn							00IAAAA		VRAC	AIAAAAA
	VRAC	???		2000/09/01	00:06:04.30	Sg							00IAAAA		VRAC	AIAAAAA
	CGP	???		2000/09/01	00:09:52.50	P						e	00IAAAB		PIVS	AIAAAAA
	ITM	???		2000/09/01	00:20:22.50	Pb						e	00IAAAC		ATH	AIAAAAA
	VLI	???		2000/09/01	00:20:41.00	Pg						e	00IAAAC		ATH	AIAAAAA
	EVR	???		2000/09/01	00:20:43.00	Pb						e	00IAAAC		ATH	AIAAAAA
	BKM	???		2000/09/01	00:21:28.50	P						i	00IAAAD		NOU	AIAAAAA
	NDI	???		2000/09/01	00:36:17.00	P						e	00IAAAE		NDI	AIAAAAA
	EZN	???		2000/09/01	00:56:01.00	Pg						e	00IAAAF		ISK	AIAAAAA
	EZN	???		2000/09/01	00:56:07.50	Sg						e	00IAAAF		ISK	AIAAAAA
	PGP	???		2000/09/01	01:00:09.80	P						e	00IAAAG		PIVS	AIAAAAA
	CMAR	???		2000/09/01	01:03:39.90	P				9.1	0.50		00IAAAH		IDC	AIAAAAA
	FITZ	???		2000/09/01	01:04:04.80	P						c	00IAAAI		AUST	AIAAAAA
	ASAR	???		2000/09/01	01:05:27.30	P							00IAAAJ		IDC	AIAAAAA
	ASAR	???		2000/09/01	01:05:37.30	Pp							00IAAAJ		IDC	AIAAAAA
	ASPA	???		2000/09/01	01:05:27.30	P						e	00IAAAK		AUST	AIAAAAA
	STKA	???		2000/09/01	01:06:47.35	P							00IAAAL		IDC	AIAAAAA
	STKA	???		2000/09/01	01:06:57.10	Pp							00IAAAL		IDC	AIAAAAA
	STKA	???		2000/09/01	01:25:44.13	LR							00IAAAL		IDC	AIAAAAA
	MAT	???		2000/09/01	01:16:52.00	P						e	00IAAAM		JMA	AIAAAAA
	MAT	???		2000/09/01	01:17:26.00	S				12.4	0.45		00IAAAM		JMA	AIAAAAA
	GURN	???		2000/09/01	01:17:32.36	P							00IAAAN		DMN	AIAAAAA
	GHAN	???		2000/09/01	01:17:34.02	P							00IAAAN		DMN	AIAAAAA
	HARN	???		2000/09/01	01:17:48.04	P							00IAAAN		DMN	AIAAAAA
	TXAR	???		2000/09/01	01:18:06.75	PKPbc							00IAAAP		IDC	AIAAAAA
	TXAR	???		2000/09/01	01:18:17.63	Pp'bc							00IAAAP		IDC	AIAAAAA
	TXAR	???		2000/09/01	01:18:23.25	sp'bc							00IAAAP		IDC	AIAAAAA
	MAT	???		2000/09/01	01:24:12.00	P						e	00IAAAQ		JMA	AIAAAAA
	MAT	???		2000/09/01	01:24:21.00	S						e	00IAAAQ		JMA	AIAAAAA
	NB2	???		2000/09/01	01:26:59.50	P				2.1	0.80		00IAAAAR		NAO	AIAAAAA
	SLR	???		2000/09/01	01:43:25.90	P				155.0	1.00		00IAAAAS		PRE	AIAAAAA
	SLR	???		2000/09/01	01:43:40.10	S						e	00IAAAAS		PRE	AIAAAAA
	KSR	???		2000/09/01	01:43:47.90	P						e	00IAAAAS		PRE	AIAAAAA
	KSR	???		2000/09/01	01:43:54.90	S						e	00IAAAAS		PRE	AIAAAAA
	BLF	???		2000/09/01	01:44:21.30	P						e	00IAAAAS		PRE	AIAAAAA
	BLF	???		2000/09/01	01:44:55.90	S				33.0	0.70		00IAAAAT		PRE	AIAAAAA
	BLF	???		2000/09/01	01:44:21.90	P						e	00IAAAAT		PRE	AIAAAAA
	BOSA	PHZ		2000/09/01	01:44:56.10	S						e	00IAAAAT		NEIC	AIAAAAA
	BOSA	PHZ		2000/09/01	01:44:56.10	P						e	00IAAAAT		NEIC	AIAAAAA
	YKA	???		2000/09/01	01:50:20.60	P	274.	1.7				e	00IAAAAU		OTT	AIAAAAA
	KYTH	???		2000/09/01	01:56:56.50	Pb						e	00IAAAAV		ATH	AIAAAAA
	ITM	???		2000/09/01	01:57:02.70	Pb						e	00IAAAAV		ATH	AIAAAAA

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Group	C	Author	ArrID
	PCI	???		2000/09/01	02:00:32.50	P						_ce	00IAAAW	DJA	AIAAAA^A	
	VNA1	???		2000/09/01	02:06:18.90	P						_ci	00IAAAW	AWI	AIAAAA_A	
	VNA3	???		2000/09/01	02:06:20.20	P						_di	00IAAAW	AWI	AIAAAA_A	
	VNA2	???		2000/09/01	02:06:24.10	P						__	00IAAAW	AWI	AIAAAAaA	
	PLP	???		2000/09/01	02:11:39.50	P						_i	00IAAAW	PIVS	AIAAAAAbA	
	PLP	???		2000/09/01	02:11:47.00	S						_e	00IAAAW	PIVS	AIAAAAbB	
	EZN	???		2000/09/01	02:33:28.00	Pg						_e	00IAAAW	ISK	AIAAAAcA	
	EZN	???		2000/09/01	02:33:35.00	Sg						_e	00IAAAW	ISK	AIAAAAcB	
	FINC	???		2000/09/01	02:39:19.70	P						_e	00IAAAB	PMG	AIAAAAdA	
	ILAR	???		2000/09/01	03:20:59.90	P						__	00IAAAB	IDC	AIAAAAeA	
	INK	???		2000/09/01	03:21:38.55	P						__	00IAAAB	IDC	AIAAAAfA	
	NVAR	???		2000/09/01	03:24:27.38	P						__	00IAAAB	IDC	AIAAAAgA	
	FINES	???		2000/09/01	03:24:30.20	P						__	00IAAAB	IDC	AIAAAAhA	
	TXAR	???		2000/09/01	03:26:00.03	P	296.	13.8				_e	00IAAAB	OTT	AIAAAAiA	
	YKA	???		2000/09/01	03:48:38.60	P						__	00IAAAB	VRAC	AIAAAAjA	
	VRAC	???		2000/09/01	03:56:19.80	Pg						__	00IAAAB	VRAC	AIAAAAkA	
	VRAC	???		2000/09/01	03:56:38.20	Sg						__	00IAAAB	VRAC	AIAAAAkB	
	YKA	???		2000/09/01	04:29:11.40	P	272.	6.6		1.5	0.80	_e	00IAAAB	OTT	AIAAAAlA	
	GSPH	???		2000/09/01	04:32:34.00	P						_ci	00IAAAB	PIVS	AIAAAAmA	
	BIPH	???		2000/09/01	04:32:59.00	P						_i	00IAAAB	PIVS	AIAAAAnA	
	BIPH	???		2000/09/01	04:33:27.50	S						_i	00IAAAB	PIVS	AIAAAAnB	
	ASAR	???		2000/09/01	04:35:05.25	P						__	00IAAAB	IDC	AIAAAAoA	
	STKA	???		2000/09/01	04:36:29.25	P						__	00IAAAB	IDC	AIAAAApA	
	TXAR	???		2000/09/01	04:48:19.77	PKP						__	00IAAAB	IDC	AIAAAAqA	
	MAIO	???		2000/09/01	05:05:29.00	P						__	00IAAAB	IDC	AIAAAArA	
	MAIO	???		2000/09/01	05:06:04.00	S						_di	00IAAAB	TEH	AIAAAArB	
	KER	???		2000/09/01	05:07:04.00	P						_e	00IAAAB	TEH	AIAAAArC	
	BILL	???		2000/09/01	05:08:42.10	P						_ci	00IAAAB	TEH	AIAAAArD	
	BILL	???		2000/09/01	05:11:57.80	S						_e	00IAAAB	TEH	AIAAAArE	
	YKA	???		2000/09/01	05:08:56.10	P	297.	12.8				__	00IAAAB	TEH	AIAAAArF	
	ISP	???		2000/09/01	05:09:23.60	Pn						_e	00IAAAB	TEH	AIAAAArG	
	YKA	???		2000/09/01	05:09:40.10	P				6.6	0.80	_e	00IAAAB	TEH	AIAAAArH	
	ELL	???		2000/09/01	05:09:42.00	P	288.	8.7				_e	00IAAAB	TEH	AIAAAArI	
	WMQ	???		2000/09/01	05:09:57.00	P						_e	00IAAAB	TEH	AIAAAArJ	
	MA2	???		2000/09/01	05:10:13.40	P				96.0	1.50	_e	00IAAAB	TEH	AIAAAArK	
	MA2	???		2000/09/01	05:10:43.20	Pp						_e	00IAAAB	TEH	AIAAAArL	
	MA2	???		2000/09/01	05:14:42.50	S						_e	00IAAAB	TEH	AIAAAArM	
	KAF	???		2000/09/01	05:10:46.10	P						_e	00IAAAB	TEH	AIAAAArN	
	YAK	???		2000/09/01	05:11:14.40	P						_e	00IAAAB	TEH	AIAAAArO	
	MOX	???		2000/09/01	05:11:37.40	P						_e	00IAAAB	TEH	AIAAAArP	
	DAC	?HZ		2000/09/01	05:11:40.30	P						_e	00IAAAB	TEH	AIAAAArQ	

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Group	C	Author	ArrID
	NB2	???		2000/09/01	05:11:52.70	P				2.8	0.80	__	00IAAABZ		NAO	AI4AAAB!A
	YSS	???		2000/09/01	05:11:56.70	P				50.0	1.00	_ci	00IAAACA		OBN	AI4AAAB"A
	CLNS	???		2000/09/01	05:12:00.00	P						__	00IAAACB	YARS	YARS	AI4AAAB#A
	CLNS	???		2000/09/01	05:12:31.00	sP						__	00IAAACB	YARS	YARS	AI4AAAB#B
	NRIS	???		2000/09/01	05:12:15.00	P						__	00IAAACB	OBN	OBN	AI4AAAB\$A
	KLR	???		2000/09/01	05:12:22.00	P						_e	00IAAACB	OBN	OBN	AI4AAAB%A
	TIY	??Z		2000/09/01	05:12:45.60	P						__	00IAAACD	BJI	BJI	AI4AAAB&A
	TIY	??Z				Lr				540.0	20.00	__	00IAAACD	BJI	BJI	AI4AAAB&B
	TIY	??N				Lr				470.0	15.00	__	00IAAACD	BJI	BJI	AI4AAAB&C
	TRO	???		2000/09/01	05:13:00.12	P						_e	00IAAAAC	BER	BER	AI4AAAB'A
	KTK1	???		2000/09/01	05:13:06.12	P						__	00IAAAAC	BER	BER	AI4AAAB(A
	LZV	???		2000/09/01	05:13:13.70	P						__	00IAAAAC	OBN	OBN	AI4AAAB)A
	APA	???		2000/09/01	05:13:15.90	P						__	00IAAAAC	OBN	OBN	AI4AAAB*A
	TLY	???		2000/09/01	05:13:33.30	P						_ci	00IAAAAC	OBN	OBN	AI4AAAB+A
	MOY	???		2000/09/01	05:13:41.00	P				32.0	1.20	__	00IAAAAC	OBN	OBN	AI4AAAB+A
	NVS	???		2000/09/01	05:13:56.00	P				54.0	0.70	__	00IAAAAC	ASRS	ASRS	AI4AAAB-A
	NVS	???		2000/09/01	05:13:56.00	P						__	00IAAAAC	ASRS	ASRS	AI4AAAB-B
	NB2	???		2000/09/01	05:13:58.90	P						__	00IAAAAC	BER	BER	AI4AAAB-A
	BJI	??Z		2000/09/01	05:14:06.00	P						__	00IAAAAC	BJI	BJI	AI4AAAB.A
	BJI	??Z				P				10.0	1.00	__	00IAAAAC	BJI	BJI	AI4AAAB/A
	HHC	???		2000/09/01	05:14:17.20	Lr				590.0	18.00	__	00IAAAAC	BJI	BJI	AI4AAAB/B
	HHC	???				P				30.0	1.20	__	00IAAAAC	BJI	BJI	AI4AAAB0A
	HHC	??Z				Lr				760.0	10.00	__	00IAAAAC	BJI	BJI	AI4AAAB0B
	HHC	??N				Lr				900.0	18.00	__	00IAAAAC	BJI	BJI	AI4AAAB0C
	ARU	??E		2000/09/01	05:14:22.60	P				880.0	14.00	__	00IAAAAC	BJI	BJI	AI4AAAB0D
	OBN	???		2000/09/01	05:14:45.10	P						__	00IAAAAC	OBN	OBN	AI4AAAB1A
	OBN	???		2000/09/01	05:15:19.40	pP				58.0	0.70	_ci	00IAAAAC	OBN	OBN	AI4AAAB2A
	NJ2	???		2000/09/01	05:14:46.80	P						__	00IAAAAC	OBN	OBN	AI4AAAB2B
	NJ2	??Z				P						_e	00IAAAAC	OBN	OBN	AI4AAAB3A
	GTA	???		2000/09/01	05:14:56.50	Lr				25.0	1.00	__	00IAAAAC	BJI	BJI	AI4AAAB3A
	GTA	??Z				P				660.0	13.00	__	00IAAAAC	BJI	BJI	AI4AAAB3B
	GTA	??N				Lr				17.0	1.00	__	00IAAAAC	BJI	BJI	AI4AAAB4A
	XAN	???		2000/09/01	05:15:03.00	P				440.0	14.00	__	00IAAAAC	BJI	BJI	AI4AAAB4B
	XAN	???				Lr				710.0	16.00	__	00IAAAAC	BJI	BJI	AI4AAAB4C
	XAN	???				P				9.4	0.80	__	00IAAAAC	BJI	BJI	AI4AAAB5A
	XAN	???		2000/09/01	05:15:05.50	Lr				610.0	20.00	__	00IAAAAC	BJI	BJI	AI4AAAB5B
	XAN	??E				Lr				600.0	20.00	__	00IAAAAC	BJI	BJI	AI4AAAB5C
	LZH	???		2000/09/01	05:15:05.50	P				67.0	1.00	_c	00IAAAAC	BJI	BJI	AI4AAAB6A
	LZH	???		2000/09/01	05:15:32.50	pP						__	00IAAAAC	BJI	BJI	AI4AAAB6B
	LZH	???		2000/09/01	05:15:54.00	sP						__	00IAAAAC	BJI	BJI	AI4AAAB6C
	LZH	??Z				Lr				630.0	16.00	__	00IAAAAC	BJI	BJI	AI4AAAB6D
	LZH	??N				Lr				3870.0	22.00	__	00IAAAAC	BJI	BJI	AI4AAAB6E
	WHN	???		2000/09/01	05:15:08.00	P						_e	00IAAAAC	BJI	BJI	AI4AAAB7A

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Group	C	Author	ArrID
	CD2	???		2000/09/01	05:15:33.80	P				19.0	1.00	_c_	00IAAACK		BJI	AIAAAB8A
	GVA	???		2000/09/01	05:15:51.60	P				40.0	1.00	_d_	00IAAAK		BJI	AIAAAB9A
	KIV	???		2000/09/01	05:15:53.20	P				46.0	1.00	_di	00IAAAKL		OBN	AIAAAB:A
	KIV	???		2000/09/01	05:16:05.80	S						_i	00IAAAKL		OBN	AIAAAB:B
	KIV	???		2000/09/01	05:25:05.50	P						_g	00IAAAKL		OBN	AIAAAB:C
	ZEI	???		2000/09/01	05:16:02.00	P						_e	00IAAAKL		OBN	AIAAAB:A
	ZEI	???		2000/09/01	05:16:48.00	P						_e	00IAAAKL		OBN	AIAAAB;B
	LSA	???		2000/09/01	05:16:10.60	P						_e	00IAAAKL		OBN	AIAAAB;A
	YKA	???		2000/09/01	05:16:12.80	P	237.	4.8		1.3	0.70	_e	00IAAAKL		BJI	AIAAAB<A
	MAIO	???		2000/09/01	05:16:24.00	P						_e	00IAAAKL		OTT	AIAAAB=A
	MAIO	???		2000/09/01	05:17:44.00	P						_e	00IAAAKL		TEH	AIAAAB>A
	MAIO	???		2000/09/01	05:18:21.00	S						_e	00IAAAKL		TEH	AIAAAB?A
	KONO	???		2000/09/01	05:30:14.03	P						_e	00IAAAKL		TEH	AIAAAB?B
	MAT	???		2000/09/01	05:34:07.00	P						_e	00IAAAKL		BER	AIAAAB@A
	MAT	???		2000/09/01	05:34:45.00	S						_e	00IAAAKL		JMA	AIAAABAA
	KBS	???		2000/09/01	05:35:24.93	P						_e	00IAAAKL		JMA	AIAAABAB
	KSAR	???		2000/09/01	05:46:16.30	P						_e	00IAAAKL		BER	AIAAABBA
	ASAR	???		2000/09/01	05:50:01.50	P						_e	00IAAAKL		BER	AIAAABBA
	STKA	???		2000/09/01	05:50:55.20	P						_e	00IAAAKL		IDC	AIAAABCA
	FINES	???		2000/09/01	05:53:55.05	P						_e	00IAAAKL		IDC	AIAAABCA
	NVAR	???		2000/09/01	05:53:55.20	P						_e	00IAAAKL		IDC	AIAAABCA
	BKM	???		2000/09/01	06:00:48.00	P						_i	00IAAAKL		IDC	AIAAABDA
	PLCA	???		2000/09/01	06:01:10.06	P						_e	00IAAAKL		IDC	AIAAABEA
	LPZ	???		2000/09/01	06:01:21.84	P						_e	00IAAAKL		IDC	AIAAABFA
	STKA	???		2000/09/01	06:05:54.00	P						_e	00IAAAKL		IDC	AIAAABGA
	MAIO	???		2000/09/01	06:06:05.00	P						_e	00IAAAKL		NOU	AIAAABHA
	MAIO	???		2000/09/01	06:06:42.00	S						_e	00IAAAKL		IDC	AIAAABIA
	ASAR	???		2000/09/01	06:06:35.45	P						_e	00IAAAKL		IDC	AIAAABJA
	VNDA	???		2000/09/01	06:10:04.74	P						_e	00IAAAKL		IDC	AIAAABKA
	ILAR	???		2000/09/01	06:12:53.90	P						_e	00IAAAKL		TEH	AIAAABLA
	MRA	???		2000/09/01	06:20:20.50	P						_e	00IAAAKL		TEH	AIAAABLB
	MRA	???		2000/09/01	06:20:23.00	S						_e	00IAAAKL		IDC	AIAAABMA
	WATA	???		2000/09/01	06:20:43.60	P						_e	00IAAAKL		IDC	AIAAABNA
	WATA	???		2000/09/01	06:20:45.70	P				39.6	0.10	_ci	00IAAAKL		IDC	AIAAABOA
	WATA	???		2000/09/01	06:20:43.70	Pg						_ci	00IAAAKL		SJA	AIAAABPA
	WATA	???		2000/09/01	06:20:45.10	Sg						_ci	00IAAAKL		SJA	AIAAABPB
	WTTA	???		2000/09/01	06:20:43.70	Pg				18.2	0.20	_ci	00IAAAKL		VIE	AIAAABQB
	WTTA	???		2000/09/01	06:20:46.00	Sg						_ci	00IAAAKL		VIE	AIAAABRA
	SQTA	???		2000/09/01	06:20:45.10	Pg						_ci	00IAAAKL		VIE	AIAAABRB
	SQTA	???		2000/09/01	06:20:48.60	Sg				5.4	0.10	_ci	00IAAAKL		VIE	AIAAABSA
	MOTA	???		2000/09/01	06:20:46.30	Pg				6.0	0.20	_di	00IAAAKL		VIE	AIAAABTB
	MOTA	???		2000/09/01	06:20:50.70	Sg						_di	00IAAAKL		VIE	AIAAABTB
	DPC	???		2000/09/01	06:23:55.30	Pg						_e	00IAAAKL		PRU	AIAAABUA

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Group	C	Author	ArrID
	DPC	???		2000/09/01	06:24:10.60	Sg						__e	00IAAADG		PRU	AIAAABUB
	BRG	???		2000/09/01	06:23:59.90	Pg						__i	00IAAADH			AIAAABVA
	BRG	???		2000/09/01	06:24:19.30	Sg						__i	00IAAADH			AIAAABVB
	IZI	???		2000/09/01	06:52:39.00	Pn						__e	00IAADI		ISK	AIAAABWA
	BAG	???		2000/09/01	06:54:02.00	P						__i	00IAADJ		QCP	AIAAABXA
	BCPH	???		2000/09/01	06:54:06.60	P						__ci	00IAADK		PIVS	AIAAABYA
	RIY	???		2000/09/01	06:57:23.40	Pg						__i	00IAADL		ZAG	AIAAABZA
	RIY	???		2000/09/01	06:57:27.60	Sg						__i	00IAADL		ZAG	AIAAABZB
	ASAR	???		2000/09/01	06:58:23.80	P						__	00IAADM		ZAG	AIAAAB[A
	PHNC	???		2000/09/01	06:59:58.10	P						__	00IAADN		IDC	AIAAAB\A
	PHNC	???		2000/09/01	07:00:05.20	S						__	00IAADN		NIC	AIAAAB\B
	CSS	???		2000/09/01	07:00:01.00	P				2.7	0.24	__	00IAADN		NIC	AIAAABJA
	CSS	???		2000/09/01	07:00:09.50	S						__	00IAADN		NIC	AIAAABJB
	ALFC	???		2000/09/01	07:00:09.80	P						__	00IAADN		NIC	AIAAAB^A
	ALFC	???		2000/09/01	07:00:25.80	S						__	00IAADN		NIC	AIAAAB^B
	AKMC	???		2000/09/01	07:00:12.90	P						__	00IAADN		NIC	AIAAAB_A
	AKMC	???		2000/09/01	07:00:30.30	S						__	00IAADN		NIC	AIAAAB`A
	NVAR	???		2000/09/01	07:01:32.28	P						__	00IAADP		IDC	AIAAAB`B
	TXAR	???		2000/09/01	07:02:01.23	P						__	00IAADP		IDC	AIAAABBa
	ILAR	???		2000/09/01	07:02:18.50	P						__	00IAADP		IDC	AIAAABBa
	YKA	???		2000/09/01	07:02:54.60	P						__e	00IAADQ		IDC	AIAAABCA
	YLV	???		2000/09/01	07:23:09.20	Pg	29.	12.7				__e	00IAADR		OTT	AIAAABdA
	YLV	???		2000/09/01	07:23:12.30	Sg						__e	00IAADR		ISK	AIAAABdB
	IZI	???		2000/09/01	07:23:13.00	Pg						__e	00IAADR		ISK	AIAAABeA
	ISK	???		2000/09/01	07:23:13.70	Pg						__e	00IAADR		ISK	AIAAABfA
	HRT	???		2000/09/01	07:23:14.00	Pg						__e	00IAADR		ISK	AIAAABgA
	KCT	???		2000/09/01	07:23:18.60	Pg						__e	00IAADR		ISK	AIAAABhA
	EYL	???		2000/09/01	07:23:19.50	Pg						__e	00IAADR		ISK	AIAAABiA
	EYL	???		2000/09/01	07:23:31.00	Sg						__e	00IAADR		ISK	AIAAABiB
	EDC	???		2000/09/01	07:23:23.00	Pg						__e	00IAADR		ISK	AIAAABjA
	EDC	???		2000/09/01	07:23:37.00	Sg						__e	00IAADR		ISK	AIAAABjB
	DST	???		2000/09/01	07:23:26.00	Pg						__i	00IAADR		ISK	AIAAABkA
	DST	???		2000/09/01	07:23:41.00	Sg						__e	00IAADR		ISK	AIAAABkB
	MDU	???		2000/09/01	07:23:34.00	Pn						__e	00IAADR		ISK	AIAAABlA
	FIA0	???		2000/09/01	07:28:41.35	Pn						__	00IAADS		HEL	AIAAABmA
	FIA0	???		2000/09/01	07:29:09.70	Lg						__	00IAADS		HEL	AIAAABmB
	HFS	???		2000/09/01	07:29:05.45	Pn						__	00IAADT		HFS	AIAAABnA
	HFS	???		2000/09/01	07:29:51.05	Sn						__	00IAADT		HFS	AIAAABnB
	HFS	???		2000/09/01	07:30:05.78	Lg						__	00IAADT		HFS	AIAAABnC
	OBKA	???		2000/09/01	07:29:09.50	Pg						__ci	00IAADU		VIE	AIAAABoA
	OBKA	???		2000/09/01	07:29:16.10	Sg						__i	00IAADU		VIE	AIAAABoB