Initial Pipeline Assignment Procedure
(The SIRTF "Pipeline Picker")

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I. Overview

This document outlines the method by which a given DCE in a given exposure and request (AOR, IER or SER) is assigned a pipeline thread to initiate processing. It was developed by J. Rector, J. Jacobson and R. Laher. Once the *SODB:Dces* table is augmented with a new DCE entry, the "pipeline picker" routine is triggered to uniquely determine an appropriate pipeline script-ID (*plScriptId*) from a look-up-table called: *SODB*:*PlScripts* (attached at the end of this document). With the constraint that the attribute *SODB*:*PlScripts.initialScript* value is set to ' t ' (true), the following database parameters for the DCE in question are used to perform this query:

SODB:Dces.instrumentId, (*instrumentId* = 1, 2 or 3 for "IRSX", "IRAC" or "MIPS" respectively)
SODB:Exposures.exposureType,
SODB:Exposures.readoutMode,
SODB:Dces.chanNum,
SODB:Exposures.aperture

Given a "correct" and unique combination for these values in the SODB:*PlScripts* table, the *plScriptId* is returned and inserted in the *initPlScriptId* field of the *SODB:Dces* table. Once data has been downlinked and ingested, the Automated Pipeline Executive for SIRTF (APES) takes over, commencing processing with the thread defined by *initPlScriptId*. Thereafter, all associated post-processing threads defined as "non-initial" threads in the *SODB*:*PlScripts* table are conditionally run. These are defined with the *SODB*:*PlScripts* table attribute: *SODB*:*PlScripts.initialScript* = ' f ' (false). The pipeline picker will never assign a DCE with a thread having *SODB*:*PlScripts.initialScript* = ' f '.

II. Method

The matrix below shows the operation sequence used by the pipeline picker to search for a unique match of various combinations of the above five database parameters with entries in the *SODB*:*PlScripts* table. The constraint SODB:*PlScripts.initialScript* = ' t ' is enforced in each search. The search order is from top-down and involves seven stages labeled in the first column.

Stage#	instrument	exposureType	readoutMode	chanNum	aperture
1	**T**	**T**	**T**	**T**	**T**
2	**T**	**T**	**T**	**T**	**NULL**
3	**T**	**T**	**T**	**NULL**	**NULL**
4	**T**	**T**	**NULL**	**T**	**NULL**
5	**T**	**T**	**NULL**	**NULL**	**NULL**
6	**T**	**zip**	**NULL**	**T**	**NULL**
7	**T**	**zip**	**NULL**	**NULL**	**NULL**

T = Value in database *matches* value in *SODB*:*PlScripts* table
NULL = Value in *SODB*:*plScripts* table is forced to match "null".
zip = Value in *SODB*:*PlScripts* table is tested to match "zip" exactly, i.e. the "pipe-zero" thread.

- The *plScriptId* corresponding to the ***first*** set of criteria which are satisfied (from stages 1 → 7) will be returned and loaded into *SODB:Dces.initPlScriptId*. Other stages lower in the hierarchy are skipped.
- If ***no unique*** match is found in the *SODB*:*PlScripts* table after the above operation sequence, a value of "–1" is inserted in the *SODB:Dces.initPlScriptId* field and no pipeline thread can process that DCE.

plScriptId	Instrument	ChanNum	exposureType	readoutMode	aperture	initialScript	archive	plScriptNum	plScriptType	productType	highPerformance	followOnPlScriptId	fileExtension	productSize	comment
1	IRAC	null	drk	null	null	t	t	101	null	cal	f	null	fits	1234	IRAC Darkcal pre-processing thread
2	IRAC	null	drk	null	null	f	t	141	2	cal	t	null	fits	null	IRAC Darkcal ensemble-processing thread
3	IRAC	null	lin	null	null	t	f	102	null	cal	f	null	fits	null	IRAC Lincal pre-processing thread
4	IRAC	null	lin	null	null	f	f	142	2	cal	t	null	fits	null	IRAC Lincal Quadratic-Model ensemble-processing thread
5	IRAC	null	lin	null	null	f	f	142	45	cal	t	null	fits	null	IRAC Lincal Cubic-Model ensemble-processing thread
6	IRAC	null	flt	null	null	t	t	103	null	cal	f	null	fits	null	IRAC Sky Flatfield pre-processing thread
7	IRAC	null	flt	null	null	f	t	143	2	cal	t	null	fits	null	IRAC Sky Flatfield ensemble-processing thread
8	IRAC	null	tci	null	null	f	f	143	122	cal	t	null	fits	null	IRAC Transmission-Calibrator Illumination-pattern ensemble-processing thread
9	IRAC	null	tff	null	null	f	f	143	123	cal	t	null	fits	null	IRAC Transmission-Calibrator Flatfield ensemble-processing thread
10	IRAC	null	pgr	null	null	f	f	105	2	cal	f	null	fits	null	IRAC Pixel Gain/Read-Noise pre-processing thread
11	IRAC	null	pgr	null	null	f	f	145	2	cal	t	null	fits	null	IRAC Pixel Gain/Read-Noise ensemble-processing thread
12	IRAC	null	mgr	null	null	f	f	106	2	cal	f	null	fits	null	IRAC Readout-Channel Gain/Read-Noise pre-processing thread
13	IRAC	null	mgr	null	null	f	f	146	2	cal	t	null	fits	null	IRAC Readout-Channel Gain/Read-Noise ensemble-processing thread
14	IRAC	null	hddrk	null	null	t	t	104	null	cal	f	null	fits	1234	IRAC HDR Darkcal pre-processing thread
15	IRAC	null	mgr	null	null	f	f	146	132	cal	t	null	fits	null	IRAC Readout-Channel Gain ensemble-processing thread
16	IRAC	null	hdflt	null	null	t	t	105	null	cal	f	null	fits	null	IRAC HDR Sky Flatfield pre-processing thread
17	IRAC	null	sci	null	null	t	f	107	null	bcd	f	19	fits	null	IRAC Science thread
18	IRAC	null	hdsci	null	null	t	f	108	null	bcd	f	19	fits	null	IRAC HDR Science thread
19	IRAC	null	ptg	null	null	f	t	111	2	bcd	f	null	fits	null	IRAC Pointing-transfer thread
21	IRAC	null	hdr	null	null	f	f	120	2	bcd	f	19	fits	null	IRAC High-Dynamic-Range thread
23	IRAC	null	lat	null	null	f	t	122	2	bcd	t	19	fits	null	IRAC Latent-Image-Reporting thread
25	IRAC	null	reffr	null	null	f	t	130	2	bqd	f	null	fits	1	BQD Fiducial Image Frame thread
26	IRAC	null	sfpse	null	null	f	f	131	2	bqd	f	19	fits	null	BQD Single Frame Point Source Extraction thread
27	IRAC	null	refin	null	null	f	f	132	2	bqd	t	null	fits	null	BQD Overlap Consistency and Pointing Refinement thread
28	IRAC	null	intrp	null	null	f	f	133	2	bqd	f	19	fits	null	BQD Interpolation thread
29	IRAC	null	rhfin	null	null	f	f	134	2	bqd	t	null	fits	null	BQD Multiframe Outlier Detection thread
30	IRAC	null	rmask	null	null	f	f	135	2	bqd	f	19	fits	150	BQD RMask Building thread
31	IRAC	null	coad	null	null	f	t	136	2	bqd	t	null	fits	500000	BQD Coaddition and Multiframe Point Source Extraction thread
32	IRAC	null	bmerg	null	null	f	t	137	2	bqd	t	null	fits	null	BQD Bandmerge thread
33	IRAC	null	mrefi	null	null	f	t	138	2	bqd	t	null	fits	1	BQD Pointing Refinement
34	IRAC	null	mopex	null	null	f	t	139	2	bqd	t	null	fits	500000	BQD Mosaic and Point Source Extraction thread
1000	MIPS	1	d1	SUR	null	t	f	401	null	cal	f	null	fits	null	MIPS:Si SUR-Mode Darkcal pre-processing thread
1001	MIPS	1	d1	SUR	null	f	t	407	2	cal	t	null	fits	288000	MIPS:Si SUR-Mode Darkcal ensemble-processing thread
1005	MIPS	1	d1	RAW	null	t	f	402	null	cal	f	null	fits	null	MIPS:Si RAW-Mode Darkcal pre-processing thread
1006	MIPS	1	d1	RAW	null	f	t	408	2	cal	t	null	fits	4911000	MIPS:Si RAW-Mode Darkcal ensemble-processing thread
1010	MIPS	1	l1	RAW	null	t	f	403	null	cal	f	null	fits	null	MIPS:Si RAW-Mode Lincal pre-processing thread
1011	MIPS	1	l1	RAW	null	f	t	409	2	cal	t	null	fits	500000	MIPS:Si RAW-Mode Lincal Quadratic-Model ensemble-processing thread
1015	MIPS	1	f1	SUR	null	t	f	404	null	cal	f	null	fits	null	MIPS:Si SUR-Mode Flatfield pre-processing thread
1016	MIPS	1	f1	SUR	null	f	t	410	2	cal	t	null	fits	963000	MIPS:Si SUR-Mode Flatfield ensemble-processing thread
1020	MIPS	1	scn	SUR	null	t	f	405	null	bcd	f	1030	fits	750000	MIPS:Si SUR-Mode Science thread
1021	MIPS	1	pht	SUR	null	t	f	405	null	bcd	f	1030	fits	750000	MIPS:Si SUR-Mode Science thread
1025	MIPS	1	rsc	RAW	null	t	f	406	null	bcd	f	1030	fits	904000	MIPS:Si RAW-Mode Science thread
1026	MIPS	1	rph	RAW	null	t	f	406	null	bcd	f	1030	fits	904000	MIPS:Si RAW-Mode Science thread
1030	MIPS	null	ptg	null	null	f	t	111	2	bcd	f	null	fits	904000	MIPS:Si Pointing-transfer thread
1035	MIPS	1	lat	SUR	null	f	f	411	2	bcd	t	null	fits	null	MIPS:Si Latent-Image-Reporting thread
1040	MIPS	null	reffr	null	null	f	t	130	2	bqd	f	null	fits	1	BQD Fiducial Image Frame thread
1041	MIPS	null	sfpse	null	null	f	f	131	2	bqd	f	null	fits	null	BQD Single Frame Point Source Extraction thread
1042	MIPS	null	refin	null	null	f	t	132	2	bqd	t	null	fits	1	BQD Pointing Refinement
1043	MIPS	null	intrp	null	null	f	f	133	2	bqd	f	null	fits	null	BQD Interpolation thread
1044	MIPS	null	rhfin	null	null	f	f	134	2	bqd	t	null	fits	null	BQD Multiframe Outlier Detection thread
1045	MIPS	null	rmask	null	null	f	f	135	2	bqd	f	null	fits	40	BQD RMask Building thread
1046	MIPS	null	coad	null	null	f	t	136	2	bqd	t	null	fits	500000	BQD Coaddition and Multiframe Point Source Extraction thread
1047	MIPS	null	bmerg	null	null	f	t	137	2	bqd	t	null	fits	null	BQD Bandmerge thread
1048	MIPS	null	mopex	null	null	f	t	139	2	bqd	t	null	fits	500000	BQD Mosaic and Point Source Extraction thread
1500	MIPS	2	scn	null	null	t	f	301	null	bcd	f	1600	fits	null	MIPS:Ge Science pre-processing thread
1501	MIPS	2	pht	null	null	f	t	302	null	bcd	f	1601	fits	null	MIPS:Ge Science pre-processing thread
1508	MIPS	2	pht	null	null	f	t	302	null	bcd	f	1608	fits	null	MIPS:Ge Science pre-processing thread
1509	MIPS	2	pht	null	null	t	f	301	null	bcd	f	1609	fits	null	MIPS:Ge Science pre-processing thread
1510	MIPS	2	pht	null	111	t	f	301	null	bcd	f	1610	fits	null	MIPS:Ge Science pre-processing thread
1511	MIPS	2	pht	null	112	t	f	301	null	bcd	f	1611	fits	null	MIPS:Ge Science pre-processing thread
1512	MIPS	2	pht	null	115	t	f	301	null	bcd	f	1612	fits	null	MIPS:Ge Science pre-processing thread
1513	MIPS	2	scn	null	null	f	f	302	null	bcd	f	1613	fits	null	MIPS:Ge Science pre-processing thread
1514	MIPS	2	pht	null	null	f	f	302	null	bcd	f	1614	fits	null	MIPS:Ge Science pre-processing thread
1515	MIPS	2	pht	null	111	f	f	302	null	bcd	f	1615	fits	null	MIPS:Ge Science pre-processing thread
1516	MIPS	2	pht	null	112	f	f	302	null	bcd	f	1616	fits	null	MIPS:Ge Science pre-processing thread
1517	MIPS	2	pht	null	115	f	f	302	null	bcd	f	1617	fits	null	MIPS:Ge Science pre-processing thread
1518	MIPS	2	pht	null	118	f	f	302	null	bcd	f	1618	fits	null	MIPS:Ge Science pre-processing thread
1519	MIPS	2	pht	null	119	f	f	302	null	bcd	f	1619	fits	null	MIPS:Ge Science pre-processing thread
1520	MIPS	2	pht	null	118	t	f	301	null	bcd	f	1620	fits	null	MIPS:Ge Science pre-processing thread
1521	MIPS	2	pht	null	119	t	f	301	null	bcd	f	1621	fits	null	MIPS:Ge Science pre-processing thread
1522	MIPS	2	pht	null	120	t	f	301	null	bcd	f	1622	fits	null	MIPS:Ge Science pre-processing thread
1523	MIPS	2	pht	null	124	t	f	301	null	bcd	f	1623	fits	null	MIPS:Ge Science pre-processing thread
1524	MIPS	2	pht	null	127	t	f	301	null	bcd	f	1624	fits	null	MIPS:Ge Science pre-processing thread
1525	MIPS	2	pht	null	120	f	f	302	null	bcd	f	1625	fits	null	MIPS:Ge Science pre-processing thread
1526	MIPS	2	pht	null	124	f	f	302	null	bcd	f	1626	fits	null	MIPS:Ge Science pre-processing thread
1527	MIPS	2	pht	null	127	f	f	302	null	bcd	f	1627	fits	null	MIPS:Ge Science pre-processing thread
1530	MIPS	2	tpm	null	null	t	f	301	null	bcd	f	1630	fits	null	MIPS:Ge Science TPM pre-processing thread
1531	MIPS	2	tfl	null	null	t	f	301	null	bcd	f	1630	fits	null	MIPS:Ge Science TPM pre-processing thread
1540	MIPS	2	d2a	null	null	t	f	301	null	cal	f	1640	fits	null	MIPS:Ge Darkcal pre-processing thread
1541	MIPS	2	d2b	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Darkcal pre-processing thread
1550	MIPS	2	f2a	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Illumination-correction pre-processing thread
1551	MIPS	2	f2b	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Illumination-correction pre-processing thread
1553	MIPS	2	fs	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Illumination-correction pre-processing thread
1554	MIPS	2	pfl	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Illumination-correction pre-processing thread
1555	MIPS	2	sfl	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Illumination-correction pre-processing thread
1556	MIPS	2	dfl	null	null	t	f	301	null	cal	f	null	fits	null	MIPS:Ge Illumination-correction pre-processing thread
1570	MIPS	2	sed	null	113	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1571	MIPS	2	sed	null	114	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1572	MIPS	2	sed	null	116	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1573	MIPS	2	sed	null	117	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1574	MIPS	2	sed	null	121	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1575	MIPS	2	sed	null	122	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1576	MIPS	2	sed	null	123	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1577	MIPS	2	sed	null	125	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1578	MIPS	2	sed	null	126	t	f	301	null	bcd	f	null	fits	null	MIPS:Ge Science pre-processing thread
1580	MIPS	2	st2	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1581	MIPS	2	cal	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1582	MIPS	2	sfl	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1583	MIPS	2	dpm	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1584	MIPS	2	p2a	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1585	MIPS	2	p2b	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1586	MIPS	2	s2a	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1587	MIPS	2	s2b	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1588	MIPS	2	bc2	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1589	MIPS	2	bc3	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1590	MIPS	2	d7r	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1591	MIPS	2	d7l	null	null	t	f	300	null	bcd	f	null	fits	null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1600	MIPS	2	scn	null	null	f	f	311	2	bcd	t	1900	fits	null	MIPS:Ge Science SCN ensemble-processing thread
1601	MIPS	2	pht	null	null	f	f	311	2	bcd	t	1900	fits	null	MIPS:Ge Science PHT ensemble-processing thread
1605	MIPS	2	scn	null	null	f	f	313	2	bcd	t	1900	fits	null	MIPS:Ge Science SCN ensemble-processing thread
1608	MIPS	2	pht	null	null	f	f	312	2	bcd	t	1900	fits	null	MIPS:Ge Science PHT ensemble-processing thread

1609	MIPS 2	pht	null	null	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1610	MIPS 2	pht	null	111	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1611	MIPS 2	pht	null	112	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1612	MIPS 2	pht	null	115	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1614	MIPS 2	pht	null	null	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1615	MIPS 2	pht	null	111	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1616	MIPS 2	pht	null	112	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1617	MIPS 2	pht	null	115	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1620	MIPS 2	pht	null	118	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1621	MIPS 2	pht	null	119	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1622	MIPS 2	pht	null	120	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1623	MIPS 2	pht	null	124	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1624	MIPS 2	pht	null	127	f	f	311	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1625	MIPS 2	pht	null	118	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1626	MIPS 2	pht	null	119	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1627	MIPS 2	pht	null	120	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1628	MIPS 2	pht	null	124	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1629	MIPS 2	pht	null	127	f	f	313	2	bcd	t	1900	fits null	MIPS:Ge Science PHT ensemble-processing thread
1630	MIPS 2	tpm	null	null	f	f	331	2	bcd	t	1900	fits null	MIPS:Ge Science TPM ensemble-processing thread
1635	MIPS 2	tpm	null	null	f	f	333	2	bcd	t	1900	fits null	MIPS:Ge Science TPM ensemble-processing thread
1640	MIPS 2	d2a	null	null	f	f	341	2	cal	t	1900	fits null	MIPS:Ge Darkcal ensemble-processing thread
1641	MIPS 2	d2b	null	null	f	f	341	2	cal	t	null	fits null	MIPS:Ge Darkcal ensemble-processing thread
1645	MIPS 2	d2a	null	null	f	f	343	2	cal	t	1900	fits null	MIPS:Ge Darkcal ensemble-processing thread
1646	MIPS 2	d2b	null	null	f	f	343	2	cal	t	null	fits null	MIPS:Ge Darkcal ensemble-processing thread
1650	MIPS 2	f2a	null	null	f	f	346	2	cal	t	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1651	MIPS 2	f2b	null	null	f	f	346	2	cal	t	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1653	MIPS 2	fs	null	null	f	f	346	2	cal	t	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1655	MIPS 2	f2a	null	null	f	f	349	2	cal	t	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1656	MIPS 2	f2b	null	null	f	f	349	2	cal	t	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1658	MIPS 2	fs	null	null	f	f	349	2	cal	t	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1670	MIPS 2	sed	null	113	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1671	MIPS 2	sed	null	114	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1672	MIPS 2	sed	null	116	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1673	MIPS 2	sed	null	117	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1674	MIPS 2	sed	null	121	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1675	MIPS 2	sed	null	122	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1676	MIPS 2	sed	null	123	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1677	MIPS 2	sed	null	125	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1678	MIPS 2	sed	null	126	f	f	371	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1680	MIPS 2	sed	null	113	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1681	MIPS 2	sed	null	114	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1682	MIPS 2	sed	null	116	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1683	MIPS 2	sed	null	117	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1684	MIPS 2	sed	null	121	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1685	MIPS 2	sed	null	122	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1686	MIPS 2	sed	null	123	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1687	MIPS 2	sed	null	125	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1688	MIPS 2	sed	null	126	f	f	373	2	bcd	f	1900	fits null	MIPS:Ge Science SED ensemble-processing thread
1700	MIPS 3	scn	null	null	t	f	306	null	bcd	f	1800	fits null	MIPS:Ge Science SCN pre-processing thread
1709	MIPS 3	pht	null	null	t	f	306	null	bcd	f	1809	fits null	MIPS:Ge Science PHT pre-processing thread
1710	MIPS 3	pht	null	91	t	f	306	null	bcd	f	1810	fits null	MIPS:Ge Science PHT pre-processing thread
1711	MIPS 3	pht	null	92	t	f	306	null	bcd	f	1811	fits null	MIPS:Ge Science PHT pre-processing thread
1712	MIPS 3	scn	null	null	f	f	306	null	bcd	f	1812	fits null	MIPS:Ge Science SCN pre-processing thread
1713	MIPS 3	pht	null	null	f	f	306	null	bcd	f	1813	fits null	MIPS:Ge Science PHT pre-processing thread
1714	MIPS 3	pht	null	91	f	f	306	null	bcd	f	1814	fits null	MIPS:Ge Science PHT pre-processing thread
1715	MIPS 3	pht	null	92	f	f	306	null	bcd	f	1815	fits null	MIPS:Ge Science PHT pre-processing thread
1730	MIPS 3	tpm	null	null	t	f	306	null	bcd	f	1830	fits null	MIPS:Ge Science TPM pre-processing thread
1731	MIPS 3	tfl	null	null	t	f	306	null	bcd	f	1830	fits null	MIPS:Ge Science TPM pre-processing thread
1740	MIPS 3	d3	null	null	t	f	306	null	cal	f	null	fits null	MIPS:Ge Darkcal pre-processing thread
1750	MIPS 3	f3	null	null	t	f	306	null	cal	f	null	fits null	MIPS:Ge Illumination-correction pre-processing thread
1754	MIPS 3	pfl	null	null	t	f	306	null	cal	f	null	fits null	MIPS:Ge Illumination-correction pre-processing thread
1755	MIPS 3	sfl	null	null	t	f	306	null	cal	f	null	fits null	MIPS:Ge Illumination-correction pre-processing thread
1756	MIPS 3	dfl	null	null	t	f	306	null	cal	f	null	fits null	MIPS:Ge Illumination-correction pre-processing thread
1781	MIPS 3	cal	null	null	t	f	300	null	bcd	f	null	fits null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1782	MIPS 3	sfl	null	null	t	f	300	null	bcd	f	null	fits null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1783	MIPS 3	p3	null	null	t	f	300	null	bcd	f	null	fits null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1784	MIPS 3	s3	null	null	t	f	300	null	bcd	f	null	fits null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
1800	MIPS 3	scn	null	null	f	f	361	2	bcd	f	1920	fits null	MIPS:Ge Science SCN ensemble-processing thread
1805	MIPS 3	scn	null	null	f	f	363	2	bcd	f	1920	fits null	MIPS:Ge Science SCN ensemble-processing thread
1809	MIPS 3	pht	null	91	f	f	361	2	bcd	f	1920	fits null	MIPS:Ge Science PHT ensemble-processing thread
1810	MIPS 3	pht	null	91	f	f	361	2	bcd	f	1920	fits null	MIPS:Ge Science PHT ensemble-processing thread
1811	MIPS 3	pht	null	92	f	f	361	2	bcd	f	1920	fits null	MIPS:Ge Science PHT ensemble-processing thread
1814	MIPS 3	pht	null	91	f	f	363	2	bcd	f	1920	fits null	MIPS:Ge Science PHT ensemble-processing thread
1815	MIPS 3	pht	null	91	f	f	363	2	bcd	f	1920	fits null	MIPS:Ge Science PHT ensemble-processing thread
1816	MIPS 3	pht	null	92	f	f	363	2	bcd	f	1920	fits null	MIPS:Ge Science PHT ensemble-processing thread
1830	MIPS 3	tpm	null	null	f	f	381	2	bcd	f	1920	fits null	MIPS:Ge Science TPM ensemble-processing thread
1835	MIPS 3	tpm	null	null	f	f	383	2	bcd	f	1920	fits null	MIPS:Ge Science TPM ensemble-processing thread
1840	MIPS 3	d3	null	null	f	f	391	2	cal	f	null	fits null	MIPS:Ge Darkcal ensemble-processing thread
1845	MIPS 3	d3	null	null	f	f	393	2	cal	f	null	fits null	MIPS:Ge Darkcal ensemble-processing thread
1850	MIPS 3	f3	null	null	f	f	396	2	cal	f	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1855	MIPS 3	f3	null	null	f	f	398	2	cal	f	null	fits null	MIPS:Ge Illumination-correction ensemble-processing thread
1900	MIPS 2	ptg	null	null	f	t	111	2	bcd	f	null	fits null	MIPS:Ge channel-2 Pointing-transfer thread
1920	MIPS 3	ptg	null	null	f	t	111	2	bcd	f	null	fits null	MIPS:Ge channel-3 Pointing-transfer thread
2000	IRSX null	drk	RAW	null	t	f	211	null	cal	f	2017	fits null	IRS Darkcal pre-processing thread
2001	IRSX null	drk	RAW	null	f	t	212	2	cal	t	null	fits null	IRS Darkcal ensemble-processing thread
2005	IRSX null	spl	RAW	null	t	f	231	null	cal	f	2017	fits null	IRS Lincal pre-processing thread
2006	IRSX null	spl	RAW	null	f	t	232	2	cal	t	null	fits null	IRS Lincal ensemble-processing thread
2010	IRSX null	spf	RAW	null	t	f	221	null	cal	f	2017	fits null	IRS Flatcal pre-processing thread
2011	IRSX null	spf	RAW	null	f	t	222	2	cal	t	null	fits null	IRS Flatcal ensemble-processing thread
2015	IRSX null	sp	RAW	null	t	f	201	null	bcd	f	2017	fits null	IRS BCD Science pre-processing thread
2016	IRSX null	coad	RAW	null	f	t	202	2	bqd	t	2025	fits null	IRS BCD Science ensemble-processing thread
2017	IRSX null	ptg	RAW	null	f	t	111	2	bcd	f	2016	fits null	IRS Pointing-transfer thread
2020	IRSX null	bc	RAW	null	f	f	289	2	bqd	f	null	fits null	IRS Post-BCD Calibration thread
2025	IRSX null	bs	RAW	null	f	t	299	2	bqd	f	null	fits null	IRS Post-BCD Science thread
2026	IRSX null	bs2	RAW	null	f	t	298	2	bcd	f	null	tbl null	IRS Post-BCD Exraction thread
2030	IRSX null	map	RAW	null	t	f	201	null	bcd	f	2017	fits null	IRS BCD Science pre-processing thread
2035	IRSX null	pkc	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2040	IRSX null	pks	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2045	IRSX null	pkl	RAW	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2050	IRSX null	pkf	RAW	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2055	IRSX null	pkl	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2060	IRSX null	wup	RAW	null	t	f	201	null	bcd	f	2017	fits null	IRS BCD Science pre-processing thread
2065	IRSX null	sfx	RAW	null	t	f	201	null	bcd	f	2017	fits null	IRS BCD Science pre-processing thread
2070	IRSX null	psf	RAW	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2075	IRSX null	pfx	RAW	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2080	IRSX null	lat	RAW	null	t	f	201	null	bcd	f	2017	fits null	IRS BCD Science pre-processing thread
2085	IRSX null	scl	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2090	IRSX null	wav	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2095	IRSX null	frg	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2100	IRSX null	str	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2105	IRSX null	pix	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2110	IRSX null	stm	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead

2115	IRSX null	anl	RAW	null	t	f	209	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2120	IRSX null	chb	RAW	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2125	IRSX null	scn	RAW	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2200	IRSX null	drk	null	null	t	f	205	null	cal	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2205	IRSX null	spl	null	null	t	f	205	null	cal	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2210	IRSX null	spf	null	null	t	f	205	null	cal	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2215	IRSX null	sp	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2230	IRSX null	map	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2235	IRSX null	pkc	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2240	IRSX null	pks	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2245	IRSX null	pki	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2250	IRSX null	pkf	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2255	IRSX null	pkl	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2260	IRSX null	wup	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2265	IRSX null	sfx	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2270	IRSX null	psf	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2275	IRSX null	pfx	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2280	IRSX null	lat	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2285	IRSX null	scl	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2290	IRSX null	wav	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2295	IRSX null	frg	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2300	IRSX null	str	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2305	IRSX null	pix	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2310	IRSX null	stm	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2315	IRSX null	anl	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2320	IRSX null	chb	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
2325	IRSX null	scn	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead
5000	IRAC null	zip	null	null	t	f	123	null	bcd	f	19	fits null	IRAC abbreviated BCD thread: runs only cvti2r4 and tranhead
5001	MIPS 1	zip	null	null	t	f	412	null	bcd	f	1030	fits 340000	MIPS:Si abbreviated BCD thread: runs only cvti2r4 and tranhead
5002	MIPS 2	zip	null	null	t	f	300	null	bcd	f	1900	fits null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
5003	MIPS 3	zip	null	null	t	f	300	null	bcd	f	1920	fits null	MIPS:Ge abbreviated BCD thread: runs only cvti2r4 and tranhead
5004	IRSX null	zip	null	null	t	f	205	null	bcd	f	2017	fits null	IRS abbreviated BCD thread: runs only cvti2r4 and tranhead