		T_			
Item # (priority)	Module Componen	Error or Warning	Total Message	Problem	Solution/ Actions Required
=>exec or	t/	Warning		Described	Actions Required
script name	Subcompo				
name	nent/				
	Executab				
	le				
1	->HK	Email	JSOC: WARNING:	Dayfile	(1)Confirm the process that
(high) =>dsdf.pl	Level 0	messages	Ingesting MOC	were not	retrieves Dayfiles from MOC is
	->MOC	with this	dayfiles:	retrieved	working. Check with Art or Hao.
	Dayfile Save and	subject. JSOC:	status:No files	by process	(2-option a)Once this is working the process will pick up dayfiles
	decode	0500.	loaded today	that	for lost day(s) and the current
	keywords	(1)WARNIN	Warning Message:	retrieves	day and save dayfiles at 10PM-PDT.
	data for	G:	>Received	the Level	(<u>2-option b)</u> If needed we can start
	asd	Ingesting	count of <0> hkt	0	save of dayfiles for lost day as
	dayfile	MOC	files and count	dayfiles	soon as we get files retrieved by
	and save keywords	dayfiles: status:No	of <0> xml files from directory	from MOC Product	process that gets files from MOC Product Server.
	to asd	files	<pre></pre>	server.	->login to j0 as production.
	HK by	loaded	/mocprods/lzp>.	This	8
	APID	today	>When	should be	cd /home/production/cvs/JSOC/proj/
	series(s do.lev0_		executing script <td>done by 9PM PDT.</td> <td>lev0/scripts/hk % dsdf.pl moc</td>	done by 9PM PDT.	lev0/scripts/hk % dsdf.pl moc
	asd_0004		n/cvs/JSOC/proj/	Then this	>View log file to confirm saved
)		lev0/scripts/hk/	process	dayfiles and decode asd dayfile.
	-		dsdf.pl>	looks for	% view log-df-moc
	>dsdf.pl		from cron job.	dayfiles.	
	cronjob on			If none are	
	producti			there, an	
	on@j0.			email is	
				sent out	
				to	
				jsoc_ops. This	
				causes	
				other	
				processes	
				to fail because	
				they are	
				looking	
				for	
				dayfiles	
				at 11PM.	

Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
2 (low-high) =>dsdf.pl	->HK Level 0 ->MOC Dayfile Save and decode keywords data for asd dayfile and save keywords to asd HK by APID series(s do.lev0_ asd_0004) - >dsdf.pl cronjob on producti on@j0.	Email with subject: JSOC:WARN ING:Inges ting MOC dayfiles: status:Po ssible error ingesting dayfile.	<pre>from directory >When</pre>	next day there are previous days files on the dropoff	Action Problem Described(1): Probably not Problem. Confirm all 256 files were ingested by viewing log file(log- df-moc) and view the dayfiles are there in the three dayfile series for that day. Where three series are aia.hk_dayfile, hmi.hk_dayfile, sdo.hk_dayfile. Action for Problem Described(2): Confirm when SUMS/DRMS is working. Then follow similar procedure shown for item #1. The difference here is that, you will sse dayfiles(64 dayfiles + 64 xml files) on the dropoff directory. Since we had files but could not save, so kept files there for manual work around.

Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
3 (high) =>gdfrt.pl	->HK Level 0 ->Real time Decode and save of keywords to asd series using Minute of data in RTMON Dayfile ->On producti on@j0_ cron job to start script. Script at /home /product ion/cvs/ JSOC/pro j/lev0/s cripts/h k. % gdfrt.p l apid=129 pkt_size =128 % nohup monitor _df_rtm on.pl apid=129 &	(1) j0 server down or crashed email from admins (2) Email with subject: JSOC:WARN ING:INGES TING REALTIME DAYFILE FOR APID 129:Dayfi le does not exist (3)Email with subject: JSOC:WARN ING:INGES TING REALTIME DAYFILE FOR APID 129:Dayfi le is not getting new packets	continue running and resend another email notice if the data file is there and data starts flowing and stops again. >To restart monitor enter command: /home/production/cvs/J SOC/proj/lev0/sc ripts/hk/monitor _df_rtmon.pl apid=129 >To stop monitor run command(user=pro duction):/home/p roduction/cvs/JS OC/proj/lev0/scr	short delay when	Action Problem Described(1): Solution is to restart gdfrt.pl process with new LOG file marked with time restarted process. Restart monitor_df_rtmon.pl process. a)Login into j0 as production user on terminal window. Execute: % nohup gdfrt.pl apid=129 pkt_size=128 > LOG-RT- APID0x081-2010.05.11.09_10:00:00 & This process decodes minute of dayfile and saves keywords to sdo.lev0_asd_0004 series. b)Log on to j0 on another terminal window and execute: % nohup monitor_df_rtmon.pl apid=129 & This script monitors if dayfile is getting updated every 5 minutes, if not sends email warning. c) View if passing when processing. Note the is one issue shown in the log file as failed when processing more then 1 minute of data at beginning of run. This is really ok. % tail -f <log-rt-<whatever> d)View in LookData tool that data records are getting added to sdo.lev0_asd_0004. Action Problem Described(2): -Check j0 can see directory /hmisdp-mon/log/packetsContact Rock on why Lockheed not updating data to dayfiles. Action Problem Described(3): -Check j0 can see directory /hmisdp-mon/log/packetsContact Rock on why Lockheed not updating data to dayfiles.</log-rt-<whatever>

Item #	Module	Error or	Total Message	Problem	Solution/
(priority)	Componen	Warning		Described	Actions Required
=>exec or script	t/				
name	Subcompo				
	nent/				
	Executab				
	le				
4	->HK	(1)Email	(1)ERROR	(1)Possib	Action Problem Described(1a):
(high)	Level 0	with	Message:	le	Check with team if drms database
=>gdfrt.pl	->Real	subject:	>Failed to	problems:	is down for service. If down, then
	time	JSOC: ERRO		(a)drms	as soon as comes back up the
	Decode	R:HK	into keywords	data base	script will begin processing where
	and save	Level 0	and write	is down	last successfully processed data.
	of	Real Time	keywords to hk	for	Confirm in log file
	keywords	Processin	data series for	service	(/home/production/cvs/JSOC/proj/le
	to asd	g failed	apid <129>.	(b)drms	v0/scripts/hk/log-gdfrt-apid-129)
	series	to decode	>Cause could	data	that the processing is being done
	using	minute	be that DRMS is	series	successfully. If not successfully
	Minute	dayfiles.	down or the drms	does not	processing review log for reason
	of data		series does not	exist.	why failing.
	in RTMON		exist.		
	Dayfile		>When DRMS		Sidebar 1: If the drms is down for
	->0n		comes back up,		less than two days and this
	producti		this script will		process continues to run. The
	on@j0		start to process		script will auto process previous
	cron job		dayfile were		days dayfile before starting
			last processed data		processing of current dayfile(0
	script.		successfully.		UTC = 5pmPDT). If greater than two day's of drms down, auto
	at /home		>Minute Day		processing will not occur for
	/product		File not decoded		previous files 2-n days back.
	ion/cvs/		is: <td></td> <td>pievious files z ii days baek.</td>		pievious files z ii days baek.
	JSOC/pro		lev0/hk_minute_d		
	j/lev0/s		ayfiles/20100607		
	cripts/h		.0x0081-0-		Action Problem Described(1b):
	k. The		minute>		First check the dataseries in log
	cronjob		>Next Email		file is existing in drms by doing
	script		Alert will be		show_info <name>. If does not</name>
	executio		sent in 1 hour		exist, will need to create using
	n with		if problem		jsd files auto created
	argument		persists.		at /home/production/cvs/TBL_JSOC/
	s:		>Here is log		lev0/hk_jsd_file/prod using
			from		create_series. The script should
	gdfrt.p		decode_dayfile		write to series with no errors.
	1		executable		Second check, since the gdfrt.pl
	apid=129		showing error		calls decode_dayfile.
	pkt_size		messages:		decode_dayfile's series name setup could be incorrect in
	=128				SOURCE_ENV_FOR_HK_DECODE_DAYFILE
					which is in
					directory /home/production/cvs/JSO
					C/proj/lev0/apps. This name change
					could occur if the HK config files
					from Lockheed are updated.
					_

(priority) (=>exec or script name r	Module Componen t/ Subcompo nent/ Executab	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
=>dsdf.pl	->HK Level 0 ->RTMON Dayfile Save of only ASD Dayfile - >dsdf.pl cronjob on producti on@j0.	Email message with this subject: JSOC:WARN ING:Inges ting RTMON dayfiles: status:Po ssible error ingesting dayfile.	Warning Message:>Received count of <1> hkt files and count of <1> xml files from directory >When executing script from cron job>Check if there is problem. The dayfiles to ingest into data series and delete from directory did not match the count of the dayfiles received>Possibly a problem ingesting dayfiles in series because of bad setting of SUMSERVER parameter or SUMS could be not available>Possibly not an issue which was caused by the dayfiles not being ingested on previous day(s) therefore the file count received today does not match files ingested.	The RT Dayfile was not saved to dayfile series. Possible problems: (1)SUMS/D RMS down so could not save files. (2)Path setup to pickup or drop off dayfile was not correct. (3)No dayfile on /hmisd p-mon server. (4)J0 has no access to hmisdp-mon server.	Check if RT dayfile in sdo.hk_dayfile series where date is day of problem and source=rtmon. Check log file at log-df-rtmon for information on warning. Check for dayfile at drop directory defined in dsdf.pl and pickup directory in ingest_dayfile.pl (Step 2)Manual save RT dayfile that failed last night. Execute the manual command to save asd rtmon dayfile to sdo.hk_dayfile. ssh or login to j0 as production user. Since we are save only asd files(apid in hex use 81) use command with apid=81. Set merged value to 0 which mean save dayfile only. Utilize src=rtmon because file is in rt filename format. The dsnlist is a map to tell script were save dayfile. a)Save dayfile: % cd /home/production/cvs/JSOC/proj/ lev0/scripts/hk % ingest_dayfile.pl apid=81 dsnlist=./df_apid_ds_list_for_rtmo n src=rtmon merged=0 b)Verify files save by checking LookData tool with sdo.hk_dayfile. c)Clean files: % cd /tmp21/production/lev0/hk_rtmon_dayfile % rm <files saved=""> % vi DF_DELETE_FILE_LIST_RTMON (Remove files saved already) (Step 3)Fix issue, if needed to, described in list issues in Problem Description column. Verify tomorrow no warning email is send. Verify log has no errors.</files>

Item # Module Componen t/ Subcomponen t/ Subcomponen nent/ Executab Total Message Problem Described Solution/ Actions Required	
le	
Same of ASD apid 17.19.21 same of any of the monor or on job on producti on 00 j0.	sd 1).

Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
8. (low) =>getdf.pl	->HK Level 0 ->HSB Dayfile Save >getdf.p l hsb cronjob on producti on@j0.	Email message with subject: JSOC:WARN ING:Inges ting HSB dayfiles: status: Found Old HSB Dayfile Not Processed ->Action Required	requiring action> ISSUE Found: (1)Old	(1)There was reprocess ing of older telemetry data. The ingest_le v0 executabl e write HK packets to HSB dayfile. The regular process that save HSB dayfiles only saves current days dayfile. It does not save older dated dayfiles.	Action for Problem Described(1): Step(1)(a)Confirm with Jim and Hao that the dayfiles created were from production telemetry data. Now we begin a manual process to save hsb dayfiles. See steps 1b-1e. Step (1)(b) go to production@j0 % ssh -1 production j0 % cd /home/production/cvs/JSOC/proj/lev 0/scripts/hk Step(1)(c)Save files in dayfile series using script. For day 9/29 use this. Important to note to use hsb_r. Also do not save or delete current dayfiles being updated, let auto process do this(getdf.pl hsb). ==>Best Way %ingest_dayfile.pl apidlist=./df_apid_list_day_file_hsb_r start=2000929 end=2000929 dsnlist=./df_apid_ds_list_for_h sb_r src=hsb_r merged=0 ==>Slower Way % ingest_dayfile.pl apid=48 start=2000929 end=2000929 dsnlist=./df_apid_ds_list_for_h sb_r src=hsb_r merged=0

Item # Module (priority) Component Subcomponent Executab Le			1			
See From or There are Solution for ISSUE[1]: The causes of issue. The causes of i	(priority) =>exec or script	Componen t/ Subcompo nent/ Executab		Total Message		Actions Required Step 1(f) Remove files from
### Addf.pl RTMON and MOC payfiles aia.tempe causes of issue.						%rm /tmp22/production/lev0/hk_h
keywords to asd HK by APID series(s do.lev0_ asd_0004). Also Also Also Also Also And Save keywords moc product server the process will work automatically when the dsdf.pl moc is run via Art's script on jsoc@j0. (1f)Verify gaps were filled by check series records for that day again. (1g)If not gap filled then get approvals from Rock to run the		RTMON and MOC Dayfiles : ->HK Level 0 ->RTMON Dayfile Save of ASD apid 129, apid 19 and apid 44 Dayfiles - >dsdf.pl rtmon cronjob on producti on@j0. ->HK Level 0 ->MOC Dayfile Save and decode keywords data for asd dayfile and save keywords to asd HK by APID series(s do.lev0_ asd_0004).	records for aia.tempe rature_su mmary_300 s or/and or hmi.tempe rature_su mmary_300 s series causes level 1 processin g to stop processin g. Usually email from Jim or John Serafin or Rock. There is no automatic email warning yet on this		two possible causes of issue. Issue(1): The dayfile has missing packets so records created from data are also missing. ISSUE(2): The cronjobs did not run last night because either systems down or retrieve of new moc dayfiles not successfu	(1a)Check series for missing records to confirm issue. For apid 19:check hmi.temperature_summary_300s has 288 records per day. >For apid 44: Check aia.temperature_summary_300s has 288 records per day. (1b)Check if ran correctly last night by checking log files for rtmon and moc dayfile processing. >Check rtmon logfile at /home2/production/cvs/JSOC/proj/le v0/scripts/hk/log_df_rtmon >Check rtmon logfile at /home2/production/cvs/JSOC/proj/le v0/scripts/hk/log_df_moc (1c)Check if dayfile with issue has no errors in xml quality information file paired with each dayfile. >Go to datatool and view xml dayfile and check is there is missing data in summary line. (1d)Email Rock and team effected with issue on findings. (1e)Implement fix if there is missing data. >Request recreate of moc dayfile with new version. Rock or you can do(see ticket) >When Goddard places new file on moc product server the process will work automatically when the dsdf.pl moc is run via Art's script on jsoc@jo. (1f)Verify gaps were filled by check series records for that day again. (1g)If not gap filled then get

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Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
					set_keys command to fill gaps. Here is example of filling gap for time 2010.11.29_20:40:00_UTC: set_keys -c ds=hmi.temperature_summary_300s T_START=2010.11.29_20:40:00_UTC NU MPTS=0