Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
1 (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 messages with this subject. JSOC: (1)WARNIN G: Ingesting MOC dayfiles: status:No files loaded today	JSOC: WARNING: Ingesting MOC dayfiles: status:No files loaded today Warning Message:>Received count of <0> hkt files and count of <0> xml files from directory >When executing script from cron job.	Dayfile were not retrieved by process that retrieves the Level 0 dayfiles from MOC Product server. This should be done by 9PM PDT. Then this process looks for dayfiles. If none are there, an email is sent out to jsoc_ops. This causes other processes to fail because they are looking for dayfiles at 11PM.	lev0/scripts/hk % dsdf.pl moc>View log file to confirm saved dayfiles and decode asd dayfile. % view log-df-moc (3)There are processes that missed getting dayfiles and processing.

Teem # Curiority Component Subcomponent Error or Component Subcomponent Error or Component Subcomponent Error or Component Error or Error or
% vi getFilesFromDayfile_019v2.pl>Run % getFilesFromDayfile_019v2.pl b)APID 17,21,38,40 are less critical since these series are used by Master Pointing series to gather data. This data is used to up hmi.leg_status, hmi/aia iss series data. Since the master pointing series does not change HK lookup times often, this should not have a problem until we update the master pointer series. To do these updates. Repeat steps about described in 3a. Edit these files and then run. Remember v2 version in name of perl file is for hand editing and v3 version should not

Subcompo nume numeric Executab	<pre>Item # (priority) =>exec or</pre>	Module Componen	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
Lew-light Lewel 0 with Lewel 0 ->MC with with with ->MC with ->		Subcompo nent/				
Level 0 ->NOC Superior Save and decode Save and decode Save and dayfiles and dayfiles and save Satus:Po S						
received today does not match files ingested.	(low-high) =>dsdf.pl	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	with subject: JSOC:WARN ING:Inges ting MOC dayfiles: status:Po ssible error ingesting	Message:>Received count of <3> hkt files and count of <3> 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	usually occurs after getting email described in item #1. The next day there are previous days files on the dropoff directory. So the amount we pick up from Art's pickup directory (128) does not equal the amount on the dropoff directory (128+128). (2) If could not write to SUM/DRMS because it was	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

		T	Т		
Item #	Module	Error or	Total Message	Problem	Solution/
(priority)	Componen	Warning		Described	Actions Required
=>exec or script	t/				
name	Subcompo				
	nent/				
	Executab				
	le				
3	\$ TITE	(1) =0	(1) = 0 = ===============================	Possible	Astice Deckler Described(1):
(high)	->HK Level 0	(1) j0 server	(1)j0 server	Problems:	Action Problem Described(1):
=>gdfrt.pl	->Real	down or	crashed.	(1)J0	Solution is to restart gdfrt.pl process with new LOG file marked
	time	crashed	(2)Email	server	with time restarted process.
	Decode	email	message in body		Restart monitor_df_rtmon.pl
	and save	from	:Error Message:	because	process.
	of	admins	>Dayfile	of crash	Process.
	keywords	adminis	<td>or runs</td> <td>a)Login into j0 as production user</td>	or runs	a)Login into j0 as production user
	to asd	(2)	mon/log/packets	out of	on terminal window. Execute:
	series	Email	/0x0081/2010020	memory.	% nohup gdfrt.pl apid=129
	using	with	4.0x0081> is	(2)The j0	pkt_size=128 > LOG-RT-
	Minute	subject:	not probably	server	APID0x081-2010.05.11.09_10:00:00 &
	of data	JSOC:WARN	there.	loses nfs	
	in RTMON	ING: INGES	>This monitor	connectio	This process decodes minute of
	Dayfile	TING	script will	n	dayfile and saves keywords to
	->0n	REALTIME	continue	to /hmisd	
	<u>producti</u>	DAYFILE	running and	p-	
	on@j0	FOR APID	resend another	mon/log/p	b)Log on to j0 on another terminal
	cron job	129:Dayfi	email notice if	ackets	window and execute:
	to start	le does	the data file	directory	
	script.	not exist	is there and	or	apid=129 &
	Script		data starts	Lockheed	
	at /home	(3)Email	flowing and	is not	This script monitors if dayfile is
	/product	with	stops again.	feeding	getting updated every 5 minutes,
	ion/cvs/	subject:	>To restart	updates	if not sends email warning.
	JSOC/pro	JSOC:WARN	monitor enter	to	a) Wien if maning when
	j/lev0/s cripts/h	ING: INGES	command: /home /production/cvs	dayfiles (3)See	c) View if passing when processing. Note the is one issue
	k.	TING	/JSOC/proj/lev0	item	shown in the log file as failed
	κ.	REALTIME	/scripts/hk/mon	above(2).	when processing more then 1 minute
	8	DAYFILE	itor_df_rtmon.p	Or could	of data at beginning of run. This
		FOR APID 129:Dayfi	l apid=129	be a	is really ok.
	gdfrt.p	le is not	>To stop	short	% tail -f <log-rt-<whatever></log-rt-<whatever>
	1		monitor run	delay	
	apid=129	new	command(user=pr	when	d) View in LookData tool that data
	pkt_size =128	packets	oduction):/home	moving to	records are getting added to
	-120		/production/cvs	next day	sdo.lev0_asd_0004.
	% nohup		/JSOC/proj/lev0	at	
	monitor		/scripts/hk/sto	5pmPDT.	Action Problem Described(2):
	_df_rtm		p_monitor_df_rm		-Check j0 can see
			on.pl apid=129		directory /hmisdp-mon/log/packets.
	on.pl				-Contact Rock on why Lockheed not
	apid=129 &				updating data to dayfiles.
	*				Dation Buchley Br. 11, 1/2)
					Action Problem Described(3):
					-Check j0 can see
					directory /hmisdp-mon/log/packetsContact Rock on why Lockheed not
					updating data to dayfiles.
					apadering data to dayrifes.

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(la):
(high) =>gdfrt.pl	Level 0	with	Message:	le	Check with team if drms database
	->Real time	subject: JSOC:ERRO	>Failed to decode dayfiles	problems: (a)drms	is down for service. If down, then 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 to asd	Processin g failed	data series for apid <129>.	service (b)drms	<pre>(/home/production/cvs/JSOC/proj/le v0/scripts/hk/log-gdfrt-apid-129)</pre>
	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	does not	processing review log for reason
	of data in RTMON		drms series does not exist.	exist.	why failing.
	Dayfile		>When DRMS		Sidebar 1: If the drms is down for
	->On		comes back up,		less than two days and this
	producti on@j0_		this script will start to		process continues to run. The script will auto process previous
	cron job		process dayfile		days dayfile before starting
	to start		were last		processing of current dayfile(0
	script.		processed data		UTC = 5pmPDT). If greater than two
	Script at /home		successfully.		day's of drms down, auto processing will not occur for
	/product		File not		previous files 2-n days back.
	ion/cvs/		decoded		
	JSOC/pro j/lev0/s		<pre>is:</pre>		
	cripts/h		_dayfiles/20100		Action Problem Described(1b):
	k. The		607.0x0081-0-		First check the dataseries in log
	cronjob script		minute>		file is existing in drms by doing show_info <name>. If does not</name>
	executio		Alert will be		exist, will need to create using
	n with		sent in 1 hour		jsd files auto created
	argument		if problem		at /home/production/cvs/TBL_JSOC/
	s:		persists. >Here is log		lev0/hk_jsd_file/prod using create_series. The script should
	gdfrt.p		from		write to series with no errors.
	1		decode_dayfile		Second check, since the gdfrt.pl
	apid=129		executable showing error		calls decode_dayfile. decode_dayfile's series name setup
	pkt_size		messages:		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.
	1	1	l .	I.	ı

		1			1
Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message Warning	Problem Described The RT	Solution/ Actions Required (Step 1)Verify issue:
(low) =>dsdf.pl	->HK Level 0 ->RTMON Dayfile Save of only ASD Dayfile - >dsdf.pl cronjob on producti on@j0.	message with this subject: JSOC:WARN ING:Inges ting RTMON dayfiles: status:Po ssible error ingesting dayfile.	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.	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.	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_rtmon 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>

	1	I		ı	
Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message		Solution/ Actions Required
6 (low) =>dsdf.pl	->HK Level 0 ->RTMON Dayfile Save of only ASD Dayfile - >dsdf.pl rtmon cronjob on producti on@j0.	Email message with this subject: JSOC:WARN ING:Inges ting RTMON dayfiles: status:no file loaded today.	Similar to item #1 except this is for RTMON or Real time day files. This RTMON refers to HK_SOURCE keyword setting in <aia hmi sdo="">.hk_dayfile series.</aia hmi >	(1)Path setup to pickup or drop off dayfile was not correct. (2)No dayfile on /hmi-sdp server. (3)JO has no access to hmi-sdp server therefore cannot reach dayfile.	(Step 1) Check with j0 see hmisdpmon directory. Check if asd dayfile there(apid is 0x81). (Step 2) Follow similar step as item #3

Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
7. (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	Warning Message:> When checked the HSB Directory found one issue requiring action> ISSUE Found: (1)Old Dayfile(s) were found and need to be loaded in dayfile series> ACTIONS To Do: (1)Run ingest_dayfile. pl with src=hsb_r to load these old dayfiles. Then confirm loaded in hk_dayfile series and then delete each dayfile(s)> List of <18> Old Dayfile(s) are: hsb_0478_2010_0 9_29_03_20_51_0 0.hkt hsb_0475_2010_0 9_14_00_36_04_0 0.hkt hsb_0451_2010_0 9_14_00_36_59_0 0.hkt	(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 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_fil e_hsb_r start=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 (repeat command with different times and/or apid as needed) Step 1(d) Now, check got loaded using lookdata web tool for <aia hmi="" ="">.hk_dayfile Step 1(e) Clear list of old hsb dayfiles to delete from DF_DELETE_FILE_LIST located in /home/production/cvs/JSOC/pr oj/lev0/scripts/hk. This step needs to be done because the auto script getdf.pl uses DF_DELETE_FILE_LIST file too. Step 1(f) Remove files from tmp22</aia>

Item # (priority) =>exec or script name	Module Componen t/ Subcompo nent/ Executab le	Error or Warning	Total Message	Problem Described	Solution/ Actions Required
					%rm /tmp22/production/lev0/hk_h sb_dayfile/*_09_29*