| Item # (priority) =>exec or script name | Module Componen t/ Subcompo nent/ Executab le | Error or Warning | Total Message | Problem Described | Solution/ Actions Required |
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| 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. | (1)Confirm the process that retrieves Dayfiles from MOC is working. Check with Art or Hao. (2-option a)Once this is working the process will pick up dayfiles for lost day(s) and the current day and save dayfiles at 10PM-PDT. (2-option b)If needed we can start save of dayfiles for lost day as soon as we get files retrieved by process that gets files from MOC Product Server. ->login to j0 as production. % cd /home/production/cvs/JSOC/proj/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. These needed-scripts(temporary quickly done scripts not officially checked into cvs) processes run as cron jobs between 11-11:30PM PDT on production@j0. (NOTE:This script will be changed to using dsdf.pl once complete TRAC ticket #280) By checking log files(log-doAPID17, log-doAPID19, log-doAPID40) can see if runs were successful. (a) Keyword Data for APID 19 to hmi.temperature_summary series(For Sebastien and Jesper) ->Go to directory to update manually script. % cd /home/production/cvs/JSOC/proj/lev0/scripts/hk ->Change start day and end day in script to day(s) did not have day files. For example change \$i start value and 6 end value shown below: #(1)hardcode end day for month #for october 2008 use 1-31 days \$i=5; while (\$i < 6) { |

| Teem # Curiority Component Subcomponent Error or Component Subcomponent Error or Component Subcomponent Error or Component Error or Error or |
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| % 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 |
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| 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 |

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| 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. |
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| | 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. |
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| 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> |

| Item # Module | Error or | Total Message | Problem | Solution/ |
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| | Warning | Total Message | | Actions Required |
| (low) =>dsdf.pl Level 0 ->RTMON Dayfile Save of only ASD Dayfile - >dsdf.pl rtmon cronjob on | 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 sdo> | (1) Path setup to pickup or drop off dayfile was not correct. (2) No dayfile on /hmi-sdp server. (3) J0 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) | Module Componen | Error or Warning | Total Message | Problem Described | Solution/ Actions Required |
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| 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 | (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 % sch -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 # (priority) =>exec or script name | Module Componen t/ Subcompo nent/ Executab le | Error or Warning | Total Message | Problem Described | Solution/ Actions Required |
|---|---|---------------------|---------------|----------------------|--|
| | | | | | DF_DELETE_FILE_LIST file too. Step 1(f) Remove files from tmp22 %rm /tmp22/production/lev0/hk_h sb_dayfile/*_09_29* |