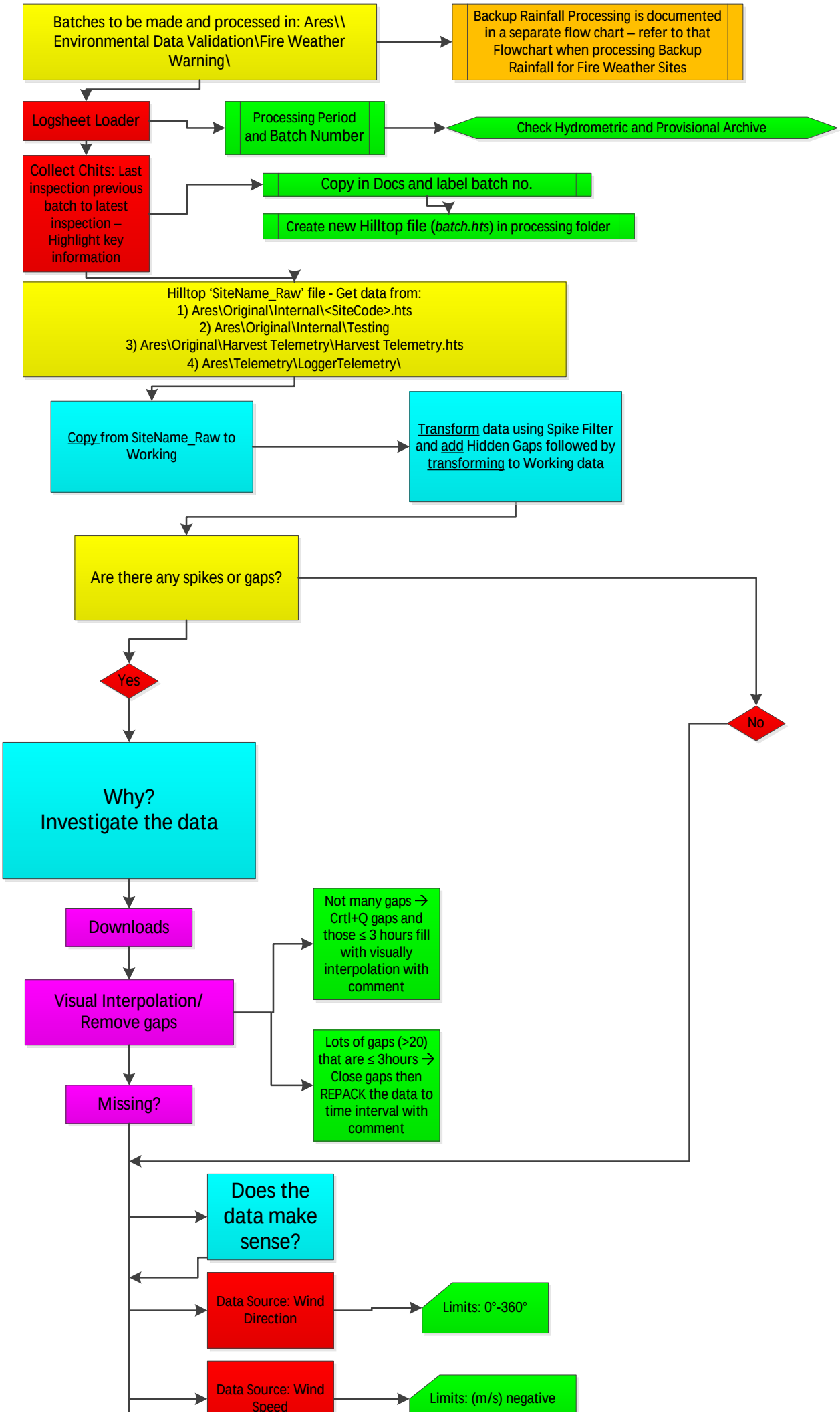
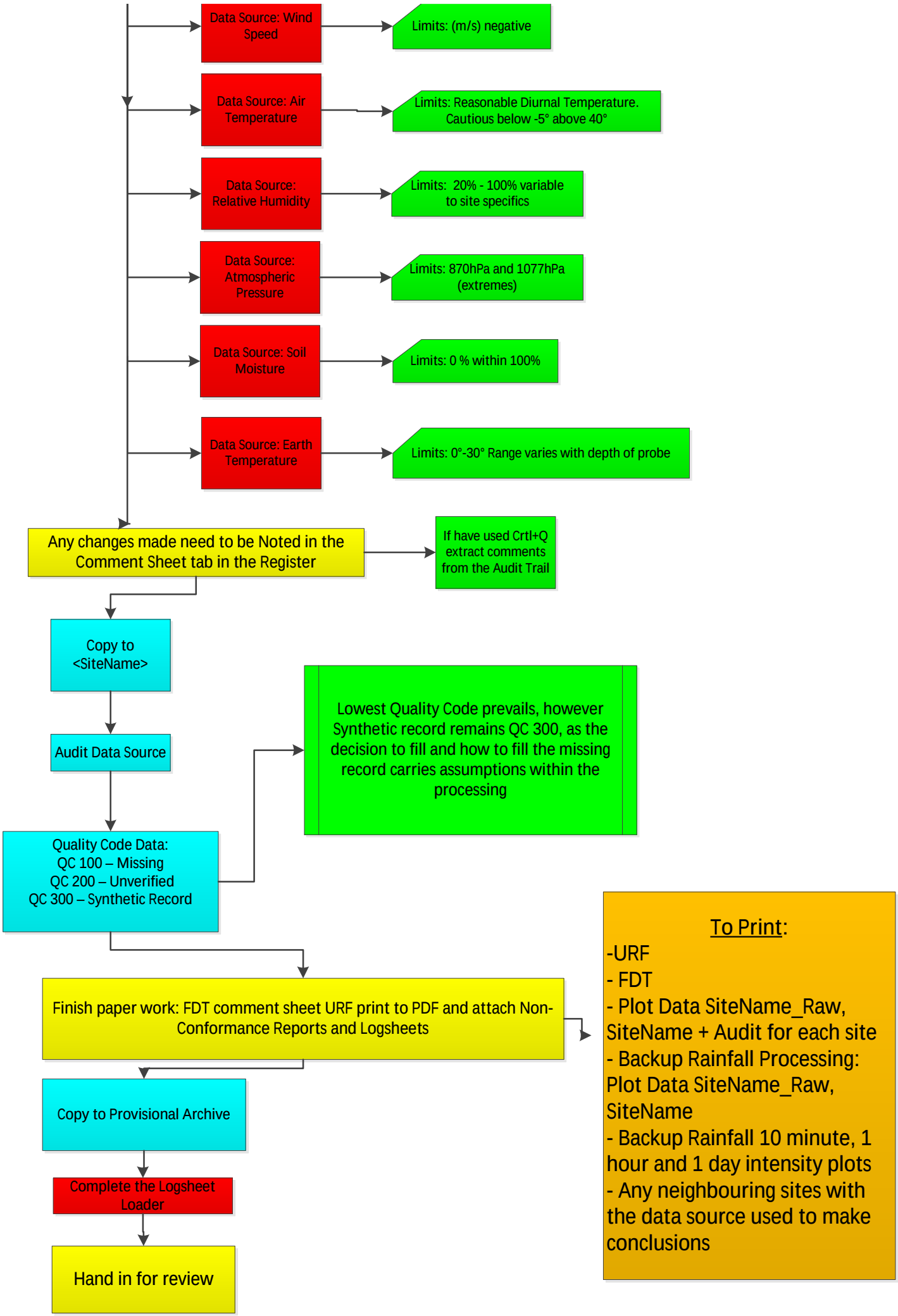

Batches to be made and processed in: Ares\\ Environmental Data Validation\Fire Weather Warning\
Backup Rainfall Processing is documented in a separate flow chart – refer to that Flowchart when processing Backup Rainfall for Fire Weather Sites
Logsheet Loader
Processing Period and Batch Number
Check Hydrometric and Provisional Archive
Collect Chits: Last inspection previous batch to latest inspection – Highlight key information
Copy in Docs and label batch no.
Create new Hilltop file (batch.hts) in processing folder
Hilltop 'SiteName_Raw' file - Get data from:
1) Ares\Original\Internal\<SiteCode>.hts
2) Ares\Original\Internal\Testing
3) Ares\Original\Harvest Telemetry\Harvest Telemetry.hts
4) Ares\Telemetry\LoggerTelemetry\
Copy from SiteName_Raw to Working
Transform data using Spike Filter and add Hidden Gaps followed by transforming to Working data
Are there any spikes or gaps?
Yes
No
Why? Investigate the data
Downloads
Visual Interpolation/ Remove gaps
Not many gaps → Crtl+Q gaps and those ≤ 3 hours fill with visually interpolation with comment
Lots of gaps (>20) that are ≤ 3hours → Close gaps then REPACK the data to time interval with comment
Missing?
Does the data make sense?
Data Source: Wind Direction
Limits: 0°-360°
Data Source: Wind Speed
Limits: (m/s) negative


Data Source: Wind Speed
Limits: (m/s) negative
Data Source: Air Temperature
Limits: Reasonable Diurnal Temperature. Cautious below -5° above 40°
Data Source: Relative Humidity
Limits: 20% - 100% variable to site specifics
Data Source: Atmospheric Pressure
Limits: 870hPa and 1077hPa (extremes)
Data Source: Soil Moisture
Limits: 0 % within 100%
Data Source: Earth Temperature
Limits: 0°-30° Range varies with depth of probe
Any changes made need to be Noted in the Comment Sheet tab in the Register
If have used Crtl+Q extract comments from the Audit Trail
Copy to <SiteName>
Audit Data Source
Lowest Quality Code prevails, however Synthetic record remains QC 300, as the decision to fill and how to fill the missing record carries assumptions within the processing
Quality Code Data:
QC 100 – Missing
QC 200 – Unverified
QC 300 – Synthetic Record
Finish paper work: FDT comment sheet URF print to PDF and attach Non-Conformance Reports and Logsheets
To Print:
-URF
- FDT
- Plot Data SiteName_Raw, SiteName + Audit for each site
- Backup Rainfall Processing: Plot Data SiteName_Raw, SiteName
- Backup Rainfall 10 minute, 1 hour and 1 day intensity plots
- Any neighbouring sites with the data source used to make conclusions
Copy to Provisional Archive
Complete the Logsheet Loader
Hand in for review