Lineage:
- Initial version prepared, Radim and Rachid, Aug 2016
- Minor edit and comment, Bruce, Jan 2017

User Story

5.3   Observations Quality Control

Version: 0.1

==== User Story ====

Related components: 5.1, 5.2, + many others

Related User Stories: …

The Climate Data Manager has responsibility for ensuring the quality of the NMHS' long term time-series of climate observations data.

The system processes all pre-defined test, automatically rejects incorrect data (log info about it) and adds flags to suspicious data. User decides about the rejected values (may save them back) and about flagged values. For substitution by calculated value user runs the spatial GIS application for flagged value. Data administrator may decide to return the original value to the record.

The user requires to:
- reject incorrect value/record unsuitable to predefined condition
- flagged suspicious value/record according to predefined condition
- have tool for spatial data comparison
- store changed data (origin and sequential one) to be able to reuse it
- label value/record automatically/manually by validation level mark
- trace data changing and recalculate derived data automatically
- monitor the data flow from sensor (dataloger) to CDMS

The CDMS is not only archiving tools for climatological data but should be device for quality management also.

==== End =====

Reference: WMO 1131