

# Storing and Organizing ARM Program Measurements

## Documentation for Data Quality Purposes

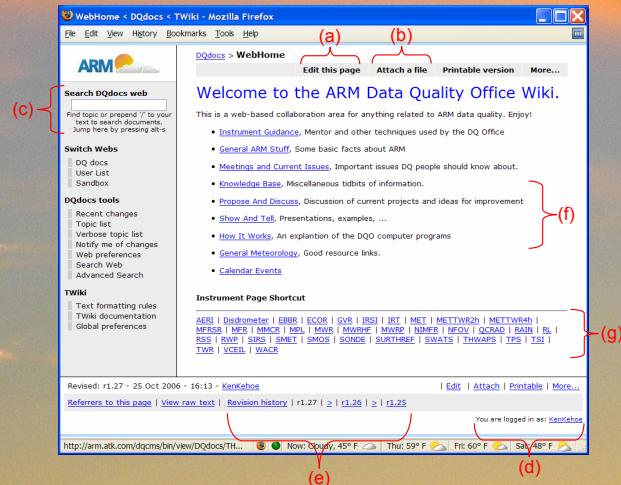
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### Wiki Overview and Features

#### Wiki Theory

The ARM Data Quality Office has implemented a Wiki system to house documentation and instructional material. Some benefits of this system include:

- New web pages are easily created and automatically linked
- Anyone can create or edit any page, allowing creative displays of information
- Pages are edited from a web browser and changes are instantaneous (a)



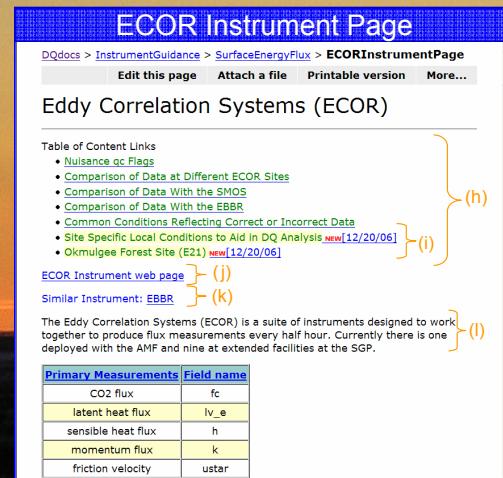
#### Data Quality Office Wiki Features

- Attach any type of file (b)
- Text and topic search box (c)
- User login tracks who made changes and allows for verification of technical edits (d)
- Version history of all changes including text and images (e)
- Documentation of Data Quality Office Processes (f)
- Dynamic quick links to instrument documentation at the bottom of every page (g)

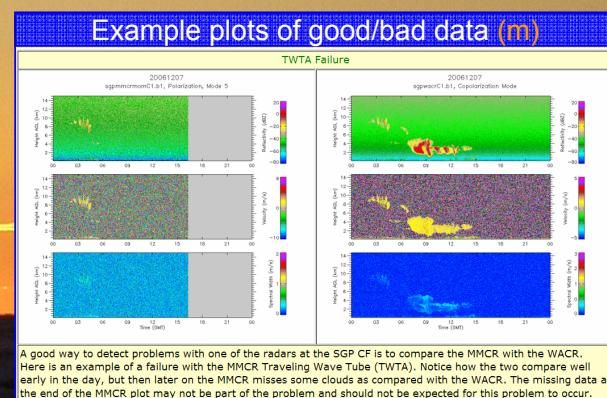
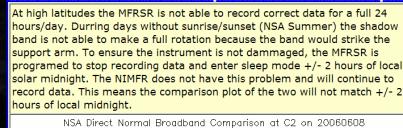
### Wiki Screenshot Examples

#### Specific Information Available

- Dynamically generated table of contents (h)
- Recent changes highlighted (i)
- Link to official ARM instrument page (j)
- Link(s) to similar instrument Wiki page (k)
- General description of instrument (l)
- Example plots of good/bad data, and comparison plots & criteria for making cross-instrument comparison (m)
- Subtle but important issues (n)
- Typical problems (o)
- Much, much more ...



#### Example of known problem (n)



#### Typical Problem (o)

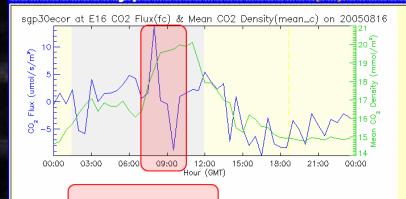


Figure 9. Large spikes (positive and negative) in CO<sub>2</sub> flux ( $f_C$ ) can occur when the flux is essentially zero. This is also a condition that should not be reported as incorrect. The mentor will look at the data closely and report in their ECOR IMMS monthly report if they think that the data is incorrect.