

## ISIS - Feature #4553

### Update and improve sumspice for additional mission support (Hayabusa, Dawn, OSIRIS-REx)

2016-12-02 01:50 PM - Kris Becker

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Kristin Berry	
<b>Category:</b> Applications	
<b>Target version:</b> 3.5.0 (FY17 R1 2017-01-25 Jan)	
<b>Impact:</b>	<b>Software Version:</b>
<b>Description</b> The sumspice application requires additional improvements and features needed to support other missions. The following changes are planned or completed:  <ol style="list-style-type: none"><li>1) Provide accommodations for different time references in SUMFILEs (start, center, stop - see SUMTIME parameter)</li><li>2) Update options to be more flexible (see UPDATE parameter)</li><li>3) Add more robust determination of observation times</li><li>4) Add start time delay options, particularly for Dawn FC, which has a 193 ms start time delay</li><li>5) Add a log option that reports operations and timing operations for confirmation and analysis</li><li>6) Improve logging of timing activities to labels</li><li>7) Timing updates are no longer required before applying SPICE update options (not required for all instruments)</li><li>8) Improve procedures to disable SPICE/camera model (in Kernels group) after a timing update</li><li>9) Add SUMTIME, UPDATE, TOLOG parameters and removed the MODE parameter</li><li>10) Change the default for TIMEDIFF to INFINITY from 0 so success is guaranteed</li><li>11) Added UPDATE=RESET option to restore original times. Some of these changes breaks backwards compatibility.</li></ol>	
<b>Related issues:</b> Related to ISIS - Bug #4542: sumspice fails tests when runnings manually in ipce <span style="float: right;"><b>Acknowledged</b></span>	

#### History

##### #1 - 2016-12-02 01:51 PM - Kris Becker

- Related to Bug #4542: sumspice fails tests when runnings manually in ipce added

##### #2 - 2016-12-08 10:46 AM - Kris Becker

- Assignee set to Kristin Berry

- Target version set to 3.5.0 (FY17 R1 2017-01-25 Jan)

##### #3 - 2016-12-09 10:39 AM - Kristin Berry

- Status changed from New to Resolved

##### #4 - 2016-12-09 01:04 PM - Kris Becker

- Status changed from Resolved to Closed

Thanks!