

MMS Solar Wind Turbulence Campaign  
REE, August 16, 2018

Window: Dec. 1, 2018 to March 15, 2019.

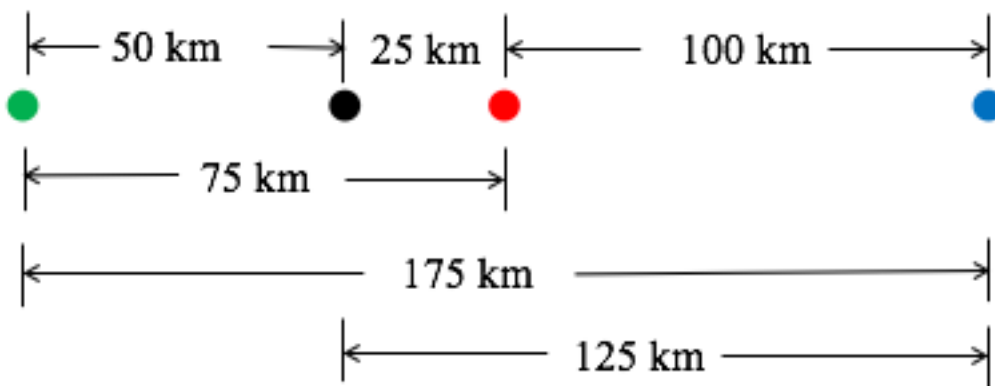
Duration: 1 month (30 days)

Plan:

(1) All MMS SC are to have the spin axis tilt between a minimum of  $10^\circ$  maximum  $15^\circ$  toward the sun for a one month period. The rotation in Y-Z plane should keep the spin axis no more than  $+5^\circ$  (toward +Y). No restriction for tilt to  $-Y$ .

(2) The spacecraft should be close to “pearl on strings” orbit ( $\pm 10$  km)

(3) The spacecraft are to have relative separations as diagramed below (SC are considered interchangeable):



Tolerance:  $\pm 7.5$  km.

(4) The SC resume nominal tilt/formation after campaign.

(5) All instruments operated nominally EXCEPT EPD. There will be special instructions from EDP team.

Suggestion: Since the SC formation is being altered for the apogee boost, we recommend that the campaign be immediately after the boost.