Instruction Worksheet Case study: Positioning
Objectives: Positioning exercises; interpreting microwave images; microwave viewer.

1. Getting started: systems and briefing

1.2 Open a web browser (Mozilla):
Introduction to the microwave viewer:

2. Positioning Exercises

2.1 Gita Feb 2018 use image viewer for microwave images:
Determine position and uncertainty at:
a. 1216UTC on 12/02/2018 _________________________
b. 18UTC on 11/02/2018 __________________________
c. 0304UTC on 10/02/2018 _________________________
d. 1426UTC on 09/02/2018 _________________________
e. 1240UTC on 08/02/2018 _________________________

2.2 Gita by ASCAT use image viewer and NOAA inc NRCS
https://manati.star.nesdis.noaa.gov/datasets/ASCATData.php:
Determine position at:
a. 0852UTC on 12/02/2018 _________________________
b. 2024UTC on 11/02/2018 _________________________
c. 2044UTC on 10/02/2018 _________________________
d. 2104UTC on 09/02/2018 _________________________
e. 2124UTC on 08/02/2018 _________________________

3. Learnings

What have you learned from this exercise?
_________________________________________________________________________________
_________________________________________________________________________________

NRCS
D:\FIJI_2019\05b_worksheet_position_Gita.docx
12/02/18 0851 (Tonga)

2.1 Gita Feb 2018 use image viewer for microwave images:

Determine position and uncertainty at:

a. 1216UTC on 12/02/2018 21.3S 175.9W 37GHz (northeast of 89GHz 21.4S 176W)

b. 18UTC on 11/02/2018 21.6S 171.35W 37GHz not so clear but appears NE of 91GHz

c. 0304UTC on 10/02/2018 16.45S 169.35W can't see on 37GHz but clear curvature on 91GHz; loop on Vis great as well 16.5S 169.2.

d. 1426UTC on 09/02/2018 14.6S 172.3W 37GHz clearly superior (no vis)

e. 1240UTC on 08/02/2018 15.6E 179.1W difficult at night without vis loop (look at vis earlier in the day); 89GHz composite best. Weak system.

2.2 Gita by ASCAT use image viewer and NOAA inc NRCS

https://manati.star.nesdis.noaa.gov/datasets/ASCATData.php:

Determine position at:

a. 0852UTC on 12/02/2018 __________________________

b. 2024UTC on 11/02/2018 __________________________

c. 2044UTC on 10/02/2018 __________________________

d. 2104UTC on 09/02/2018 __________________________

e. 2124UTC on 08/02/2018 __________________________