GMTSAR AGENDA – August 10-12, 2015

MONDAY

8:00 – 8:30 - **Munk**

Setup breakfast Munk
Setup chairs, classroom style
Helping lost people and parking issues

8:30 – 9:00 - Munk

Breakfast - nametags

9:00 – 9:15

Welcome and around the room introductions – faculty and students

9:15 – 9:50

Overview of course, agenda and objectives – PPT – Sandwell
Applications of SAR and InSAR – GMTSAR Overview – PPT - Sandwell

10:00 – 11:00

Introduction to GMT – PPT – Wessel
Go over TOPO maps made by students
Exercise – download SRTM1 data from Oahu and make a map
Use http://topex.ucsd.edu/gmtsar/demgen/
What is the difference between ortho.grd (height above geoid) and dem.grd (height above ellipsoid used in GMTSAR)?

11:00 – 12:00 **Revelle** – Rows of tables facing hyperwall

Check computers around the room – all instructors
Informal demo of GMT5 and GMT5SAR setup on muscovite – Sandwell
Informal demo of GMT5 and GMT5SAR setup on LINUX – Wessel
Student signup for one of three projects on blackboard:

A. Beginner - process and present one of the sample data sets – Wessel, Sandwell
B. Intermediate - select new SAR data pair and process – Baker, Feigl
C. Advanced - InSAR batch processing – Tong, Xu, Lindsey

(A, B, C presentations will be on Wednesday morning.)

12:00 – 1:30 - Revelle

Lunch delivered to Revelle outer Rm.
Options after lunch:

Continue computer setup and analysis
Go to beach

2:00 – 3:00 **Revelle**

How to select data at UNSVCO/ASF – Baker
Exercise to select El Major Envisat pair

3:00 – 4:00 Revelle – turn classroom for north projection

SAR theory – GMTSAR Appendix A – Sandwell
SAR Processor – GMTSAR Appendix B – Sandwell

4:00 – 6:00 Revelle
Students begin their project – A, B, or C
Everyone packs up their stuff and moves to Munk Rm.

6:00 – 7:30 **Munk**
Pizza and soft drinks delivered
Cooler with beer and wine – Sandwell

TUESDAY
8:30 – 9:00 - **Munk**
Breakfast

9:00 – 10:00
InSAR Theory - GMTSAR Appendix C – Sandwell

10:00 – 11:00 – **Revelle**
Students continue with projects – A, B, or C

11:00 – 12:00 – Revelle
2-D Phase unwrapping PPT and example – Feigl
What to do in decorrelated areas and example? – Lindsey

12:00 – 1:30 – Revelle
Lunch delivered to Revelle outer Rm.
Options after lunch:
Continue computer setup and analysis
Go to beach

1:30 – 2:00 – Revelle
More on filter selection and using Snaphu - Xu

2:00 – 3:00 – **Revelle**
Batch processing – SBAS – Tong

3:00 – 5:30 – Revelle
Students continue with projects – A, B, or C

6:00 –
Walk on beach to Shores for dinner
Students prepare PPT for presentation Wednesday AM

WEDNESDAY
8:30 – 9:00 – **Munk**
Breakfast

9:00 – 12:00 – Munk
Students present results A, B, C
Certificates are presented

12:00 – Munk -Lunch and end of short course