

## GMTSAR AGENDA – August 16-18, 2017

### WEDNESDAY

8:00 – 8:30 - **Revelle**

Setup breakfast  
Helping lost people and parking issues

8:30 – 9:00

Breakfast – nametags –setup computers

9:00 – 9:15

Welcome and around the room introductions – instructors and students

9:15 – 10:00

Overview of course, agenda and objectives (Sandwell)  
Applications of SAR and InSAR (Xu)

10:15 – 11:00

Introduction to GMT (Wessel)  
Go over TOPO maps made by students (Wessel)

11:15 – 12:00 LAB-1 Install Software

Check computers around the room – all instructors  
Informal demo of GMT5 and GMT5SAR setup on OS X  
Informal demo of GMT5 and GMT5SAR setup on LINUX  
Student signup for one of three projects on blackboard – pair up:  
A. Beginner - process and present one of the sample data sets (Eckhart)  
B. Intermediate - select new SAR data pair and process  
C. Advanced - InSAR batch processing  
(A, B, C presentations will be on Friday morning.)

12:00 – 1:30 - **Revelle**

Lunch delivered to Revelle outer Rm.  
Continue computer setup and analysis

2:00 – 2:45

How to select data at UNAVCO/ASF (Baker)  
Exercise to process an example data set (Hector Eq., Baker)

3:00 – 3:45

SAR theory – GMTSAR Appendix A (Sandwell)  
Orbits and coordinate systems (Sandwell)

4:00 – 5:45

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

6:00 – 7:30 - **Munk**

Group Photo  
Pizza and soft drinks delivered  
Cooler with beer and wine

THURSDAY

8:30 – 9:00 - **Revelle**

Breakfast

9:00 – 9:50

SAR Image Formation – GMTSAR Appendix B (Xu)

InSAR Theory – 1 GMTSAR Appendix C (Sandwell)

10:00 – 11:00

Students continue with projects – A, B, or C

11:00 – 11:50

InSAR Theory - 2

Filtering and 2-D Phase unwrapping PPT and example (Mellors)

12:00 – 1:30 – **Revelle**

Lunch delivered to Revelle outer Rm.

Continue computer setup and analysis

1:30 – 2:00

ScanSAR and TOPS (Xu)

2:10 – 2:20

2-pass Sentinel-1 example (LA example start Xu)

2:30 – 3:10

Batch Processing (Katia)

3:20 - 3:40

Examine S1A output (Xu)

3:30 - 6:00 – **Revelle and Eckhart**

Students continue with projects – A, B, or C

6:00 –

Walk on beach to Shores for dinner

Students prepare PPT for presentation Friday AM

FRIDAY

8:30 – 9:00 – **Revelle**

Breakfast

9:00 – 12:00

Students present results A, B, C (12 min)

Certificates are presented

12:00 – **Revelle** -Lunch and end of short course