

Final Schedule and Activities

First day (7/17) activities

Time	Activities	notes
Arrive at Tucson airport before 6:00pm	Pick up and register at a hotel close to Tucson airport	Please bring a notebook and your own laptop (ideally Mac/Linux) for note taking, data processing and analysis, and reports and paper writing.
6:00-6:30pm	Room checking, registration and meet with chaperone	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00-9:00pm	Install python	
9:00-10:00pm	Introduction and rules	
10:00-11:00pm	Shower and relax	
11:00pm	Go to bed	

Observatory visit day (7/18)

Time	Activities	notes
7:00-8:30am	Wake up, some take shower, Breakfast	
8:30 – 4:30pm	Departure for Kitt Peak tour	
4:30-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00 -9:00pm	Python basics	
9:00-11:00pm	Practice python	
11:00-11:30am	Back to room, some take a shower and go to bed	

7/19/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:30 – 1:00pm	Mirror lab tour	
1:30 - 2:30pm	Lunch	
2:30-3:00pm	Relax	
3-3:50pm	“Introduction to spectroscopy”	
3:50-4:00pm	Break	
4:00-4:50pm	“Astronomical Imaging”	
4:50-5:00pm	Break	
5:00-6:00pm	“Photometry”	
6:00-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00-9:00pm	Python plotting of a transit planet	
9:00pm -11:00am	Python plotting practice	
11:00-11:30am	Back to room, some take a shower and go to bed	

7/20/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:30 – 11:20pm	“Charting the Heavens”	
11:20 - 11:30am	Coffee and tea break	
11:30 – 12:20am	“introduction to imaging processing”	
12:30-1:30pm	Lunch	
1:30-2:00pm	Break	
2:00pm-3:50pm	Practice imaging processing	
3:50-4:10pm	Coffee and tea break	
4:10-6:00pm	Practice imaging processing	
6:00-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00-9:00pm	“Practice spectra and radial velocity extraction”	
8:00pm -11:00am	Practice spectra and RV data processing	
11:00-11:30am	Back to room, some take a shower and go to bed	

7/21/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:00 – 11:20pm	“Charting the Heavens”	
11:20 - 11:30am	Coffee and tea break	
11:30 – 12:20am	“Properties of Light and Matter”	
12:30-1:15pm	Lunch	
1:15-1:45pm	Break	
1:45-2:35pm	“Properties of Light and Matter”	
2:35-2:45pm	Break	
2:45pm-4:00pm	Practice RV data processing	
4:00-4:10pm	Coffee and tea break	
4:10-6:00pm	Practice photometry data processing	
6:00-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00pm -11:00am	Practice photometry data processing	
11:00-11:30am	Back to room, some take a shower and go to bed	

7/22/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:00 – 11:20pm	“Tools of Astronomy –telescopes and instruments”	
11:20 - 11:30am	Coffee and tea break	
11:30 – 12:20am	“Tools of Astronomy –telescopes and instruments”	
12:30-1:30pm	Lunch	
1:45-2:00pm	“Introduction to photometry processing”	
2:00pm-3:50pm	Practice photometry processing	
3:50-4:10pm	Coffee and tea break	
4:10-6:00pm	Practice photometry processing	
6:00-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00pm -11:00am	Practice photometry processing	
11:00-11:30am	Back to room, some take a shower and go to bed	

07/23/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:00 – 11:20pm	“stars and basic properties”	
11:20 - 11:30am	Coffee and tea break	
11:30 – 12:20am	“stars and basic properties”	
12:30-1:30pm	Lunch	
1:30-1:45pm	Relax	
1:45pm-3:50pm	Remote sky data taking with 50inch, practice transit curve fitting and also sky data processing	
3:50-4:10pm	Coffee and tea break	
4:10-6:00pm	Practice transit curve fitting and also sky data processing	
6:00-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00pm -11:00am	Practice transit curve fitting and also sky data processing, write data processing report and presentation	
11:00-11:30am	Back to room, some take a shower and go to bed	

7/24/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:00 – 11:20pm	“Stellar Evolution”	
11:20 - 11:30am	Coffee and tea break	
11:30 – 12:20am	“Exoplanets and Properties”	
12:30-1:30pm	Lunch	
1:30-1:45pm	Relax	
1:45-2:35pm	“Galaxies and Properties”	
2:35pm-2:45pm	break	
2:45-6:00pm	Sky observation, practice RV data processing, report and presentation preparation	
6:00-6:30pm	Relax	
6:30-7:30pm	Dinner	
7:30-8:00pm	Relax	
8:00pm -11:00am	Practice RV data processing, report and presentation preparation	
11:00-11:30am	Back to room, some take a shower and go to bed	

7/25/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10:00 – 10:50pm	“Galaxies and basic properties”	
10:50 - 11:00am	Coffee and tea break	
11:00 – 11:50am	“Active Galaxies and Quasars”	
12:00-12:50pm	Lunch	
1:00-3:30pm	Take shuttle to Mt. Lemmon	
3:30-5:30pm	Tour and practice with 50-inch operation	
5:30-10:30pm	Tour 32-inch telescope and observing	
10:30-midnight	Observe with 50-inch	
Midnight -1:30pm	Back to hotel	

7/26/2017

Time	Activities	notes
8:00-10:00am	Wake up, some take shower, Breakfast	
10-12:30am	Presentation preparations	
12:30-1:00pm	Lunch	
1:00-4:00pm	Student's presentation	
4:00-4:30pm	Take group photos	
4:30-6:00pm	Open discussion on research topics	Everyone
6:30-7:30pm	Dinner	
7:30pm-8:00pm	Relax	
8:00pm -11:00am	Close ceremony, certificate of completion	
11:00-midnight	Back to room, some take a shower and go to bed	

Last day (7/27) activities

Time	Activities	notes
5am-4:00pm	Depart from Tucson Airport depending on flight time	.