

Into Deepest Space: The Birth of the ALMA Observatory (*working title*)
Revised Shoot Plan – Charlottesville/NRAO
10/12/10

Locations / Approximate Time Needed (not including travel/set-up)

- FEIC / 6 hours
- Correlator / 3 hours
- Microfabrication Lab / 4 hours
- CCU Lab / 6 hours
- Oscillator Production area / 4 hours
- Building and Campus Exteriors / 3-4 hours total

Sit-Down Interviews *

45 min. crew set-up, (15 min.with interviewee), 45-60 min. duration

- Tony Remijan (needed for CCU scene as well)
- Aaron Evans
- Al Wootten

* If person is not available or schedule does not allow, we will reschedule for Seattle (except for Tony R.)

Stand-Up Interviews

10 min. crew set-up max. (with interviewee present), 15-20 min. duration

- John Webber (needed for Correlator scene as well)
- Brooks Pate (needed for CCU scene as well)
- Bill Shillue (needed for oscillator scene as well)
- Eric Bryerton (needed for electronic oscillator scene as well)
- Skip Thacker (needed for FEIC scene as well)
- Eric ____ (FEIC Lead Technician)
- Art Lichtenberger (Needed for Micro Lab scene as well)

Sample Production Plan

Tentative Production Shoot Schedule – Day 1		
Time	Description / Scene List	Notes
8:00 AM	Crew Arrives at NRAO HQ	
8:00 AM	- Scout of all available locations	
10:00 AM	- Crew Arrives at FEIC, Load in	Best place to load in?
11:00 AM	- Entrance into busy lab - Employee (preferably a woman) working on FE on Tilt Table - Close Ups of FEIC on tilt table	ALL CREW IN NRAO PROVIDED SPECIAL-SOLED SHOES
1:00 PM	Lunch	Delivery possible?

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2:00 PM	- Eric inserting receiver modules in enclosed room - Eric Interview - Skip Thacker Interview - B-Roll of Receiver/Front End Parts - Shipping/packing of Front End	
5:30 PM	- Exteriors (crew only)	- Light best in AM or PM? - Overhead map of campus?
6:30 PM	Wrap	

Tentative Production Shoot Schedule - Day 2

Time	Description	Notes
6:30 AM	- Campus Exteriors (crew only)	- Best 2-3 shots - Parking?
8:00 AM	- Crew Arrives at CCU	- Best place to load in?
9:00 AM	- Busy CCU Lab - Tony Remijan, Brooks Pate, and team of students performing experiment with known molecules	- Need to shoot into vacuum chamber - Need to clear space in lab
12:00 PM	Lunch	- Delivery?
1:00 PM	- Interview with Tony Remijan - Interview with Brooks Pate - Spectroscopy/Splatalogue usage	
5:00 PM	Wrap	

Tentative Production Shoot Schedule - Day 3

Time	Description	Notes
7:00 AM	- Arrive at Micro Lab	- Best place to load in?
8:00 AM	- Busy Lab - As many technicians as possible working on SIS mixers - Table top of SIS mixer parts - Interview with Art Lightenberger	
12:00 PM	Lunch	
1:00 PM	Arrive at Photonic Oscillator area	
2:00 PM	- As many people as possible working on LO modules - Finished Module - Tuning tests - Materials tests - Interview with Eric Bryerton - Interview with Bill Shillue - Finished module	Dolly
5:00 PM	Wrap	

Tentative Production Shoot Schedule – Day 4		
Time	Description	Notes
7:00 AM	- Arrive at Correlator	- best place to load in?
8:00 AM	- Entrance into Correlator Room - Technicians working on Correlator - Correlator B-Roll - Interview with John Webber	
12:00 PM	Lunch	
1:00 PM	- Interview with Aaron Evans	- Ideal location?
3:00 PM	- Interview B-Roll with Al Wootten	- His office or other workspace if possible
5:00 PM	Wrap	

Personnel and Equipment

Crew:

Producer/Director – Nils Cowan
Cinematographer – Marc Pingry
Sound/Utility – Joanne Ardinger

Vehicles & Equipment:

(Total Gear: 8-10 cases/bags)

1 Production Vehicle
1 Full size HD Camera
1 DSLR HD Camera
Audio Package
Pocket Dolly
Basic Lighting/Grip Package

Additional Needs/Special Requests

- NRAO Escort/Coordinator
- As many employees/students as possible for background in each location
- Suggestions for good interview locations (large, quiet area with visually interesting backdrop)
- Loading Dock/Ground Level Access to locations
- Parking Pass / Special Parking for close access to loading areas
- Use of Steadicam Pilot (if possible)
- Use of GoPro Video Mountable HD Mini Camera (if possible)
- Any Additional Lighting Equipment