Sunday August 10: Optional Introduction

08:30 – 09:45  Breakfast in Cafeteria

10:00 – 12:00  Introduction to observing at the 40' teaching telescope, Group A*  S. Heatherly

12:00 – 13:30  Lunch in Cafeteria

12:30 – 14:00  Introduction to observing at the 40' teaching telescope, Group B*  S. Heatherly

13:00 – 17:00  Registration in lobby of the Residence Hall

Moderator: Jim Braatz

14:00 - 14:45  A Discussion of the Radio Sky  J. Condon

14:45 – 15:30  An Historical Introduction to Radio Astronomy  F. Ghigo

15:30 – 16:00  Coffee Break

16:00 – 16:45  The Major Single Dish Radio Telescopes  P. Jewell & C. Salter

16:45 – 17:00  Break

17:00 – 17:30  History of the Green Bank Observatory  F. J. Lockman

17:30 – 19:00  Reception in Residence Hall Lounge

17:30 – 19:00  Dinner in Cafeteria

19:00 – 20:30  Introduction to observing at the 40' teaching telescope, Group C*  S. Heatherly

21:30 – 03:30  Observing at the 40' teaching telescope, Groups 1 through 6*
Monday August 11: Fundamentals

07:30 – 08:30  Breakfast

Moderator: Toney Minter

09:00 – 09:05  Welcome  F. Lo
09:05 – 09:15  School Organization  P. Jewell
09:15 – 10:30  Basic Principles of Single-Dish Radio Telescopes  P. Goldsmith
10:30 – 11:00  Coffee Break (Group photo)
11:00 – 11:45  Theory of Measurements with Fully–Filled Apertures  C. Salter
12:30 – 14:00  Lunch Break

Moderator: Myra Lebron

14:00 – 14:45  The Receiver System – cm regime  R. Norrod
14:45 – 15:05  IF/LO Paths  L. Wray
15:05 – 15:50  Backends  R. Fisher
15:50 – 16:15  Coffee Break
16:15 – 17:00  Fourier Transforms, Noise, and Correlators  A. Deshpande
17:00 – 19:00  Dinner Break
19:00 – 02:00  Hands-on projects, Projects 2b, 1–G, 4a, 5-G**
21:30 – 22:30  Observing at the 40’ teaching telescope, Group 7*
Tuesday August 12: Single-Dish Observing Disciplines and Associated Techniques

05:30 – 08:50  Observing at the 40' teaching telescope, Groups 8 through 10*

07:30 – 08:30  Breakfast

**Moderator: Dana Balser**

09:00 – 09:45  Continuum Observing  
J. Condon

09:45 – 10:30  Spectral-Line 1: General Aspects  
H. Liszt

10:30 – 11:00  Coffee Break

11:00 – 11:45  Advanced Spectral Line Topics  
A. Wootten

11:45 – 12:30  A Hueristic Introduction to Radioastronomical Polarization  
C. Heiles

12:30 – 14:00  Lunch Break

**Moderator: Yuri Kovalev**

14:00 – 14:40  Calibration Techniques at Radio Wavelengths  
K. O'Neil

14:40 – 15:20  Reduction and Analysis Techniques  
R. Maddalena

15:20 – 15:40  Coffee Break

15:40 – 16:30  Short-Spacings Correction from the Single-Dish Perspective  
S. Stanimirovic

16:30 – 17:15  Pulsar Observations  
J. Cordes

17:30 – 19:00  Dinner Break

17:15 – 01:00  Hands-on projects, Projects 2a, 4b, 5-A, 6a, 7**
Wednesday August 13: Special Topics I

Moderator: Avinash Desphande

07:30 – 08:30 Breakfast

09:00 – 09:45 RFI and How to Deal with it (Both in Hardware & Software) R. Fisher

09:45 – 10:30 International Spectrum Management D. Emerson

10:30 – 11:00 Coffee Break

11:00 – 11:45 Stray Radiation and How to Deal with it J. Lockman

11:45 – 12:30 Planetary Radar D. Campbell

12:30 – 14:00 Lunch

Moderator: Brian Mason

14:00 – 14:45 The Receiver System - mm regime J. Payne

14:45 – 15:30 Calibration Techniques at Millimeter Wavelengths P. Jewell

15:30 – 16:00 Coffee Break

16:00 – 16:45 Bolometers for Millimetre-Wave Astronomy D. Audley

16:45 – 17:30 Rolling your own Data Reduction Software R. Fisher

17:30 – 19:00 Dinner Break


19:00 – 01:00 Hands-on projects, Projects 5G, 6b, 8 9**
Thursday August 14: Hands-On Projects

04:00 – 07:00 Hands-on projects, Project 3**

07:70 – 08:30 Breakfast

This day will be primarily spent doing hands-on project data reduction. Folks in the instrumentation group will spend the day doing hands-on instrumentation projects.

12:30 – 14:00 Lunch Break

Continue working on hands-on projects.

18:00 – 19:00 Invited Talk: Tom Bania, Boston University

19:00 – late School Banquet

Friday August 15: Special Topics II

Moderator: Paulo Friere

08:30 – 09:30 Breakfast

10:00 – 10:45 Heterodyne Arrays

10:45 – 11:45 Panel Discussion on Observing Proposals & Preparation

11:45 – 12:30 The Future of Single Dish Radio Astronomy

12:30 – 14:00 Lunch Break

14:00 – 15:30 Presentations of Hands-On Projects

15:30 – 16:30 Farewell Cocktail

17:30 – 19:00 Dinner in Cafeteria

* See the information sheet on the 40' observing projects for more information

** See the observing sheets on the Hands-on Projects for more information