

EVLA Observation Preparation



Emmanuel Momjian (NRAO)

some slides from L. Sjouwerman

Atacama Large Millimeter/submillimeter Array

Expanded Very Large Array

Robert C. Byrd Green Bank Telescope

Very Long Baseline Array



Observational Considerations

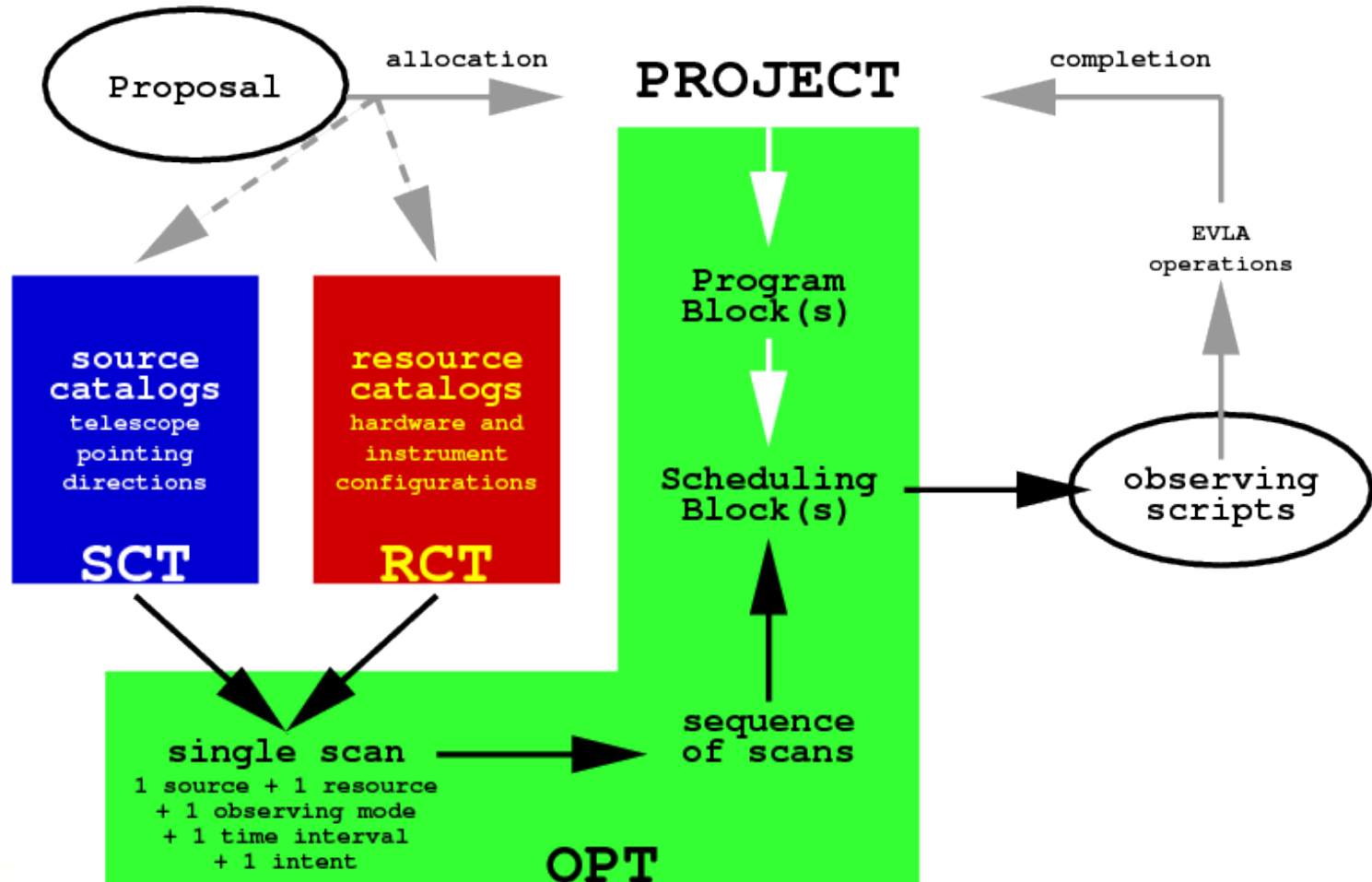
- The EVLA primarily uses dynamic scheduling (i.e., hard to know at what exact time your project will be on the array).
 - Each scheduling block must include a range of scheduling constraints:
 - LST start range
 - Weather (atmospheric phase noise and wind limits)
 - Anticipate and protect against unknown startup slew time and cable wrap
 - Anticipate and protect against availability of calibrators/slew for different starting times

Observational Considerations

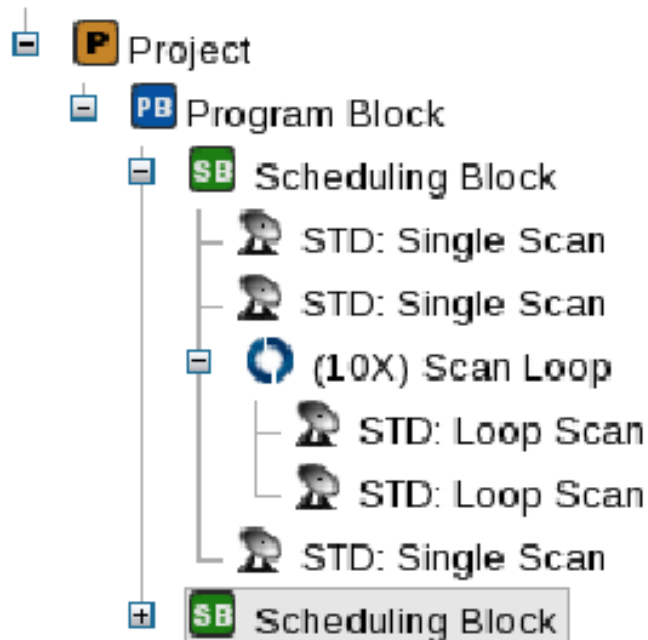
Where are my calibrators and target sources on the sky?

- Strong, point like calibrators are good for bandpass and delay calibration.
- Nearby calibrators are good for phase calibration.
- Pointing calibrators should be in the same general region of the sky.
- What are the choices for a flux calibrator?
- Can certain calibrations be combined with fewer calibrator sources?

Flow diagram



Example project “tree”



- Project has Program Blocks (PB)
- PB has Scheduling Blocks (SB)
 - Is “observing run” script
 - Sequence of scans and/or (loops of) loops of scans
 - Includes science target and various calibration sources.

Designing a schedule

- Designing a schedule: determine which/what
 - Sources to observe, and for how long (with each setup).
 - Setups (“resources”) to use
 - Receivers, (baseband/subband) signals, correlator
 - Calibrations to perform
 - Extra sources/resources? (e.g. pointing)

How to start the OPT

- Register at

<https://my.nrao.edu>



National Radio Astronomy Observatory

[Dashboard](#)[Proposals](#)[Obs Prep](#)[Helpdesk](#)[CASA](#)[Profile](#)Hi, lorant | [Sign Out](#)

Tuesday 08 June 2010

Options

- [Obs Prep Tools](#)
- └─ [Information](#)

Observation Preparation Tools

EVLA Observation Preparation Tool

- [Information about the Observation Preparation Tool](#)
- [Login to the Observation Preparation Tool](#)

GBT Dynamic Scheduling System

- [Information about the Dynamic Scheduling System](#)
- [Login to the Dynamic Scheduling System](#)

- [New Project]
- [New Program Block]
- [New Scheduling Block]
- [STD: [New Scan]]

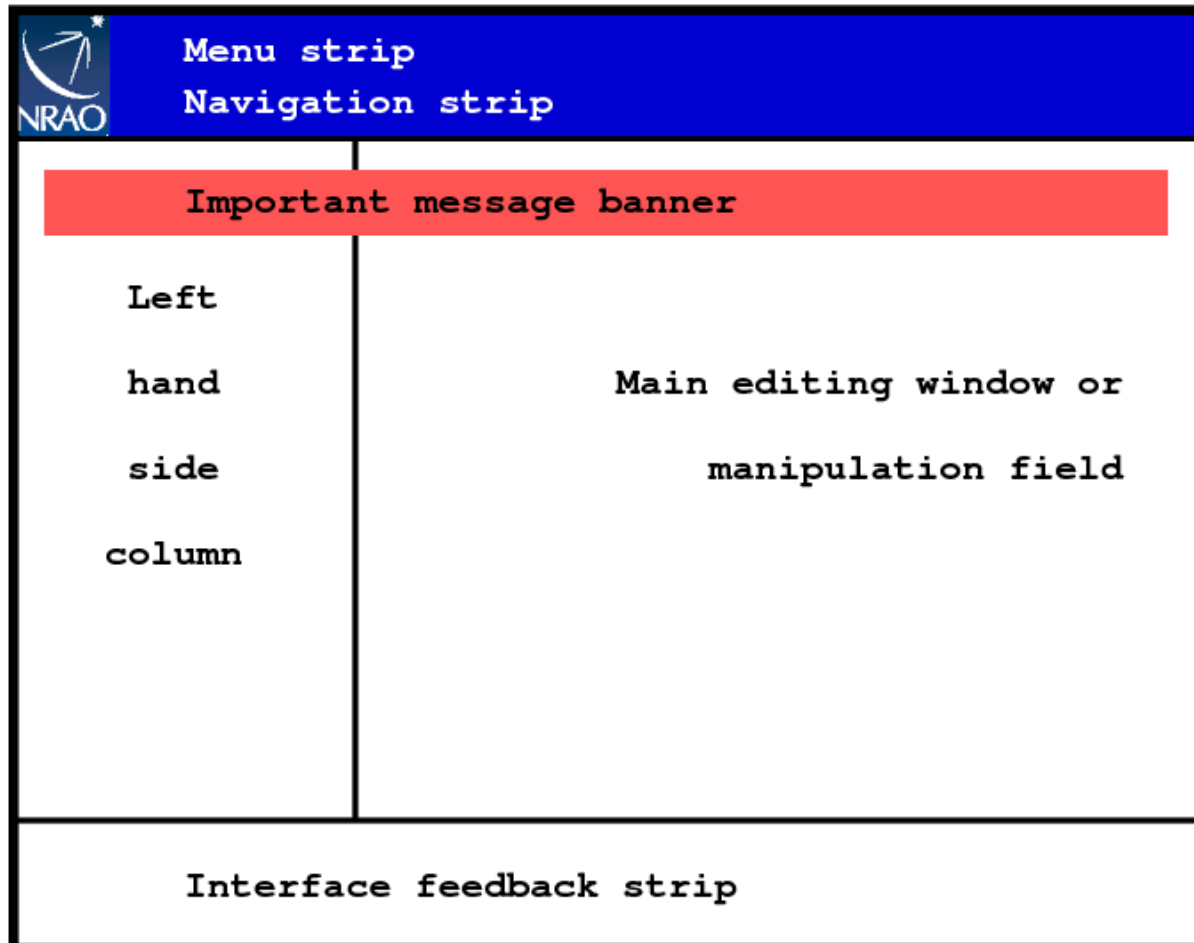
Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
[New Scan]	Standard Observing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
No Source Assigned Change	No Instrument Config. Assigned <input type="checkbox"/> Keep Previous Conf. Change	Duration (LST) 00:05:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>

Layout of the OPT



What are we observing?

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s
- Array Configuration: D
- 3 hr long scheduling block
- Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0= 36.30963$ GHz) lines.

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s

➤ **In the OPT: click on Sources (top menu).**



- [New Project]
- [New Program Block]
- [New Scheduling Block]
- [New Scan]

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
[New Scan]	Standard Observing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
No Source Assigned	No Instrument Config. Assigned <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:05:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

Search

Search Aliases As Well

External Search

[Advanced Search](#)

[Advanced Search](#)



- Personal Catalog
- VLA

SOURCES IN 'PERSONAL CATALOG' (0)

There are currently no Sources in this group!

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
 - RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
 - V (radio, LSR) = -26 km/s
- **File → create new → catalog. Fill out the name field (e.g. NRAO_CD_OPT).**

Search Search Aliases As Well External Search

[Advanced Search](#)

[Advanced Search](#)



- Personal Catalog
- VLA

SOURCES IN 'PERSONAL CATALOG' (0)

There are currently no Sources in this group!

Search

Search Aliases As Well

External Search

[Advanced Search](#)

Advanced Search

- Personal Catalog
- NRAO_CD_OPT**
- VLA*

SOURCES IN 'NRAO_CD_OPT' (0)

There are currently no Sources in this group!

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
 - RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
 - V (radio, LSR) = -26 km/s
- **Click on the catalog NRAO_CD_OPT, and go to File → create new → Source**

[Return to 'NRAO_CD_OPT'](#)

New Source

SOURCE NAME(S)

NAME

ORIGIN OF INFORMATION

ALIASES

SOURCE MAP [Open in New Window](#)

SOURCE POSITIONS

COORDINATE SYSTEM: POSITION TYPE:

	VALUE	UNCERTAINTY
RIGHT ASCENSION	<input type="text" value="0h 0m 0.000000s"/>	<input type="text" value="0.00mas"/>
DECLINATION	<input type="text" value="0d 0' 0.000000"/>	<input type="text" value="0.00mas"/>
DISTANCE	<input type="text" value="0.0"/> <input type="button" value="km"/>	<input type="text" value="0.0km"/>
EQUINOX	<input type="button" value="J2000"/>	

SOURCE VELOCITIES

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s

➤ **Populate Name, R.A., Dec. fields.**

Search

Search Aliases As Well

External Search

[Advanced Search](#)

Advanced Search

Personal Catalog

NRAO_CD_OPT

VLA

[Return to 'NRAO_CD_OPT'](#)

IRC+10216 Images Notes

SOURCE NAME(s)

NAME:

ORIGIN OF INFORMATION:

ALIASES: [Click to View](#)

SOURCE MAP: [Open in New Window](#)

SOURCE POSITIONS

COORDINATE SYSTEM: POSITION TYPE:

	VALUE	UNCERTAINTY
RIGHT ASCENSION	<input type="text" value="9h 47m 57.382s"/>	<input type="text" value="0.00mas"/>
DECLINATION	<input type="text" value="13d 16' 40.66\"/>	<input type="text" value="0.00mas"/>
DISTANCE	<input type="text" value="0.0"/> <input type="text" value="km"/>	<input type="text" value="0.0km"/>
EQUINOX	<input type="text" value="J2000"/>	

SOURCE VELOCITIES

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s

➤ **To insert the velocity information: File → create new → Source Velocity, and fill out the relevant fields.**

Search

Search Aliases As Well

External Search

[Advanced Search](#)

[Advanced Search](#)

- Personal Catalog
- NRAO_CD_OPT
- VLA

SOURCE MAP [Open in New Window](#)

SOURCE POSITIONS

COORDINATE SYSTEM: POSITION TYPE:

	VALUE	UNCERTAINTY
RIGHT ASCENSION	<input type="text" value="9h 47m 57.382s"/>	<input type="text" value="0.00mas"/>
DECLINATION	<input "="" type="text" value="13d 16' 40.66\"/>	<input type="text" value="0.00mas"/>
DISTANCE	<input type="text" value="0.0"/> <input type="text" value="km"/>	<input type="text" value="0.0km"/>
EQUINOX	<input type="text" value="J2000"/>	

SOURCE VELOCITIES

	Value	Rest Frame	Convention	Valid Frequencies
<input type="checkbox"/>	<input type="text" value="-26.0"/> km/s	<input type="text" value="LSR"/>	<input type="text" value="Radio"/>	from <input type="text" value="0.0"/> to <input type="text" value="+infinity"/> in <input type="text" value="GHz"/>

SOURCE BRIGHTNESS

There are no brightnesses specified for this source!

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
 - RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
 - V (radio, LSR) = -26 km/s
- **Target's LST range: Click on the 'images'.**

Search

Search Aliases As Well

External Search

[Advanced Search](#)

[Advanced Search](#)

- Personal Catalog
- NRAO_CD_OPT
- VLA

[Return to 'NRAO_CD_OPT'](#)

IRC+10216 **Images** NOTES

VISIBILITY CHART

Elevation Curves

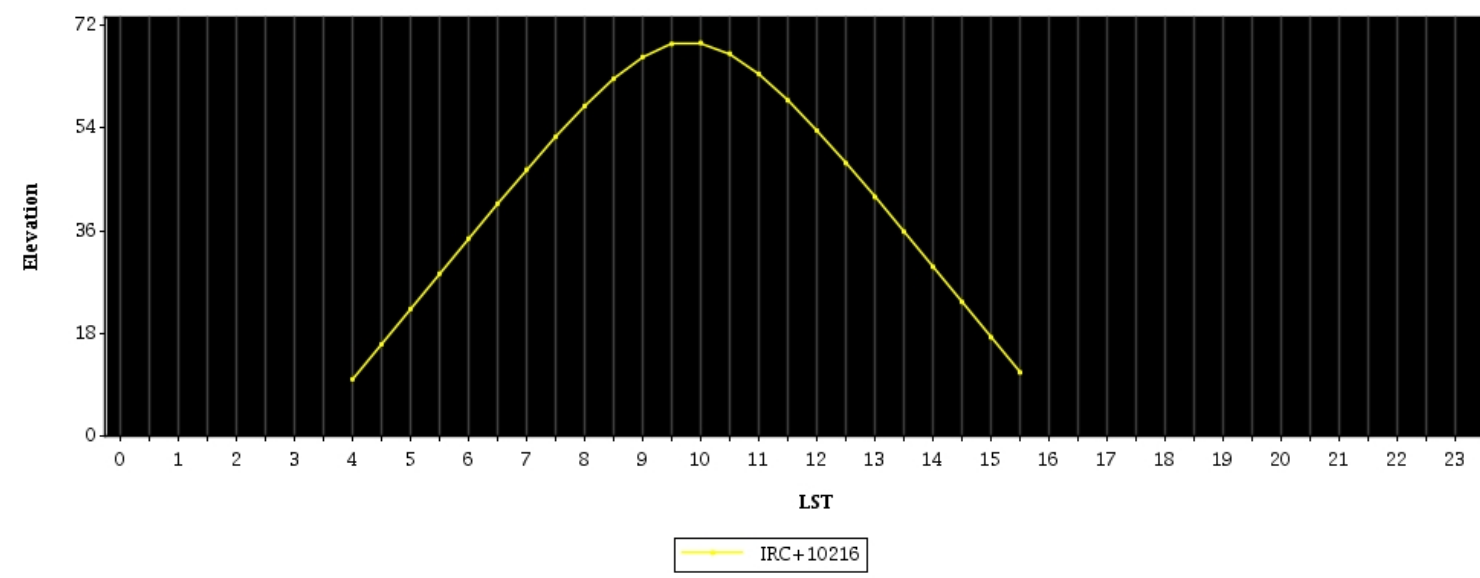


IMAGE LINKS

There are no image links for this source!

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s
- LST target: 06:00 → 13:30 (high elevations for high frequencies)

➤ What calibrators are needed?

➤ Phase calibrator.

➤ Reference pointing calibrator (C or X-band).

➤ Bandpass Calibrator.

➤ Flux density Calibrator.

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
 - RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
 - V (radio, LSR) = -26 km/s
 - LST target: 06:00 → 13:30 (high elevations for high frequencies)
- **Finding a phase calibrator: Click on the catalog name 'NRAO_CD_OPT' on the side menu, then choose 'sky map'**

Search

Search Aliases As Well

External Search

[Advanced Search](#)

[Advanced Search](#)


Personal Catalog

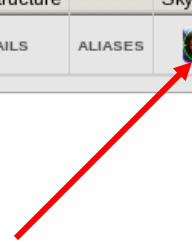
NRAO_CD_OPT

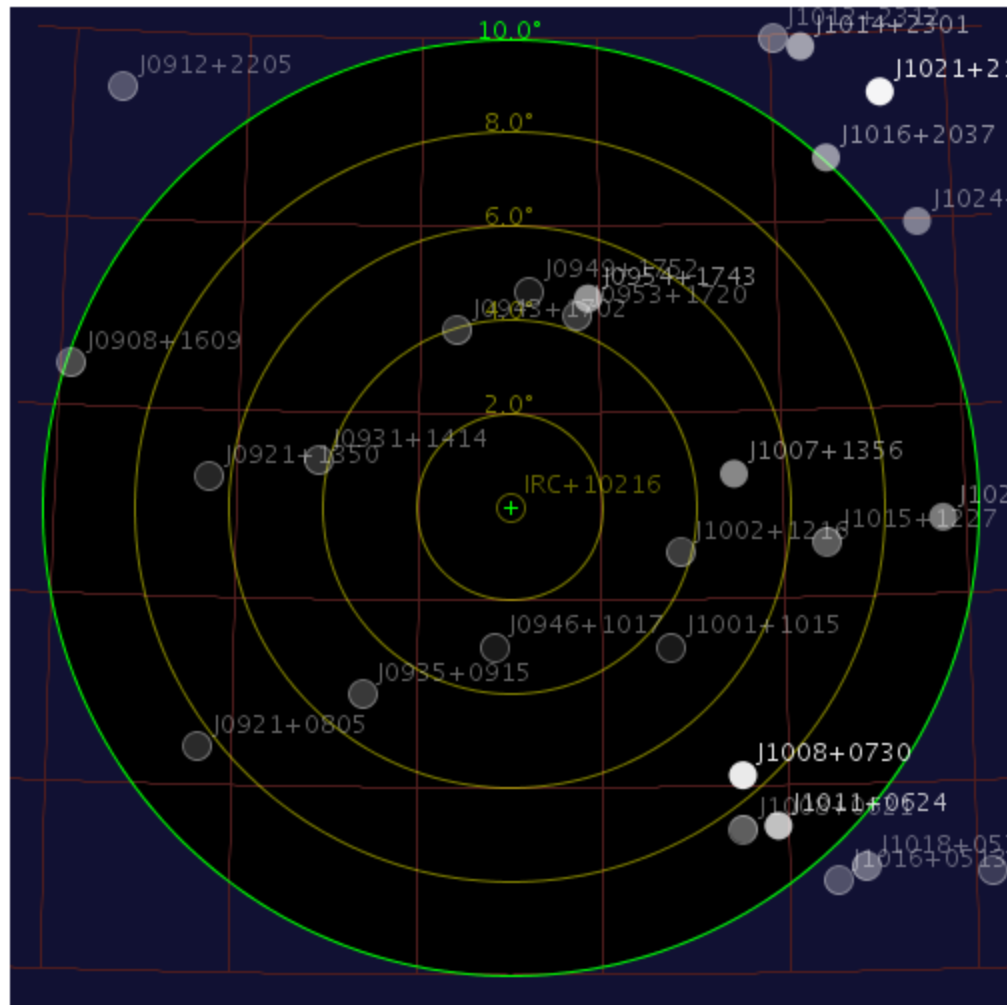
VLA

SOURCES IN 'NRAO_CD_OPT' (1)

Select: All | None Show: 25 | 50 | 100 | 200 SELECT COORDINATE SYSTEM: Equatorial

	Name	Right Ascension	Declination	Velocity	Flux / Structure	Sky Map
<input type="checkbox"/>	IRC+10216	9h 47m 57.382s	13d 16' 40.66"	-26.0 km/s LSRK Radio	DETAILS ALIASES	





Objective: Finding a nearby phase calibrator.

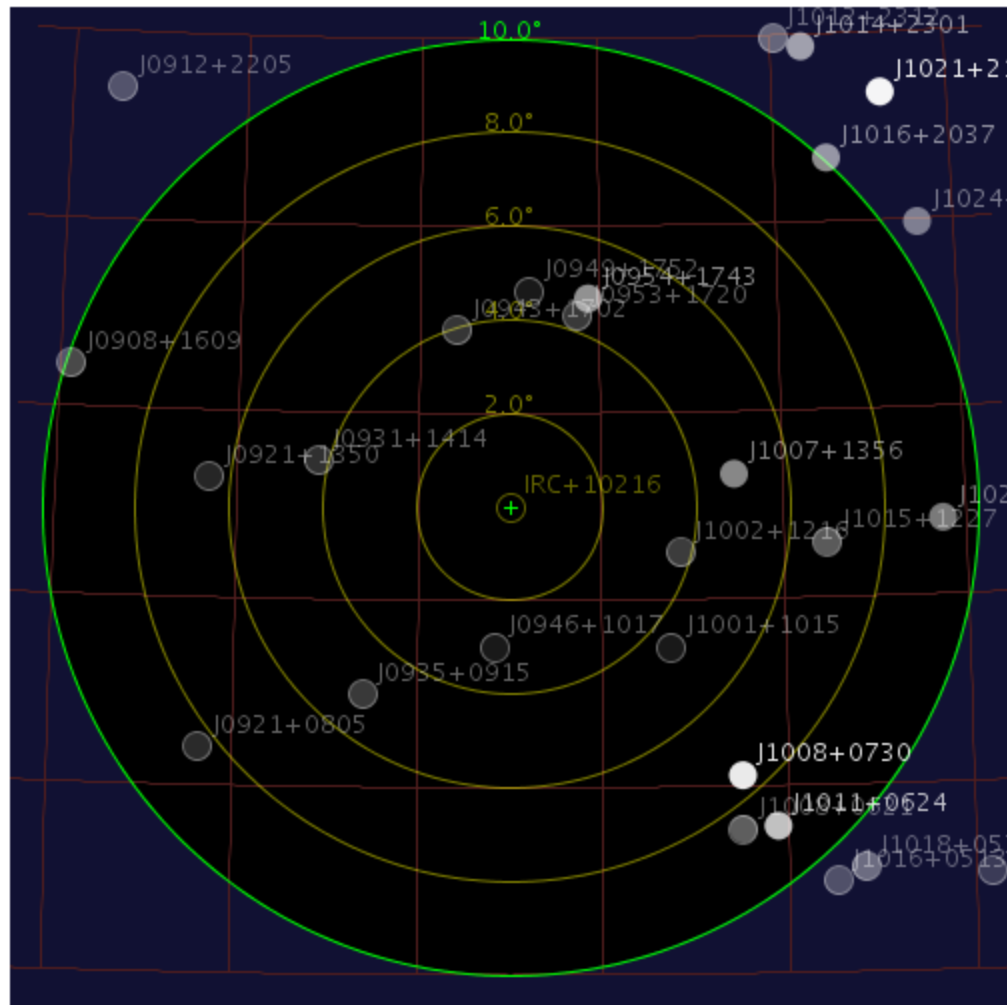
Hover over source to see information

A good gain calibrator for this frequency band would be J0954+1743

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s
- Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0=36.30963$ GHz) lines.
- LST target: 06:00 → 13:30 (high elevations for high frequencies)
- Phase calibrator: J0954+1743

➤ **Finding a reference pointing calibrator (C or X-band, for the target and the phase calibrator).**



Objective: Finding a nearby reference pointing calibrator.
 At C-band, a good reference pointing calibrator would be J1008+0730

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s
- Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0=36.30963$ GHz) lines.
- LST target: 06:00 → 13:30 (high elevations for high frequencies)
- Phase calibrator: J0954+1743
- Reference pointing (C-band): J1008+0730

➤ **Finding a bandpass calibrator: use the ‘Advanced Search’, and look for sources > 10 Jy at Q-band.**

Search

Select a catalog to search

Search Aliases As Well

External Search

[Advanced Search](#)

Advanced Search

- 1. Search Results
- 2. Search Results

Personal Catalog

NRAO_CD_OPT

VLA

Cone Search

Center RA:

Center Dec:

Radius (deg.):

Search By Calibrator Code

Array Conf.:

In Band:

Code:

Search By Flux Density

>:

In Band:

Search By Name

*

Search Aliases as well?

Search By Right Ascension (J2000)

>=

<=

Search By Declination (J2000)

>=

<=

Search

SOURCES IN '2. SEARCH RESULTS' (5)

Select: All | None Select: All | None Show: 25 | 50 | 100 | 200 SELECT COORDINATE SYSTEM: Equatorial

	Catalog	Name	Right Ascension	Declination	Velocity	Flux / Structure	Sky Map
<input type="checkbox"/>	VLA	J1230+1223	12h 30m 49.423381s	12d 23' 28.04393"		DETAILS ALIASES	
<input type="checkbox"/>	VLA	J1229+0203	12h 29m 6.699729s	2d 3' 8.59819"		DETAILS ALIASES	
<input type="checkbox"/>	VLA	J1256-0547	12h 56m 11.16656s	-5d 47' 21.52458"		DETAILS ALIASES	
<input type="checkbox"/>	VLA	J1642+3948	16h 42m 58.809951s	39d 48' 36.99395"		DETAILS ALIASES	
<input type="checkbox"/>	VLA	J2253+1608	22h 53m 57.747932s	16d 8' 53.56089"		DETAILS ALIASES	

Source Catalog (SCT)

- Target source: the AGB star IRC+10216
 - RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
 - V (radio, LSR) = -26 km/s
 - Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0=36.30963$ GHz) lines.
 - LST target 06:00→13:30 (high elevations for high frequencies)
 - Phase calibrator: J0954+1743
 - Reference pointing (C-band): J1008+0730
 - Bandpass calibrator: J1229+0203 (LST range: 8:30→16:30)
- **Finding a Flux calibrator: Click on the + of the ‘VLA’ catalog, then on ‘VLA Flux Cal’.**

Search

Search Aliases As Well

External Search

[Advanced Search](#)

- Advanced Search
 - 1. Search Results
 - 2. Search Results

Personal Catalog

NRAO_CD_OPT

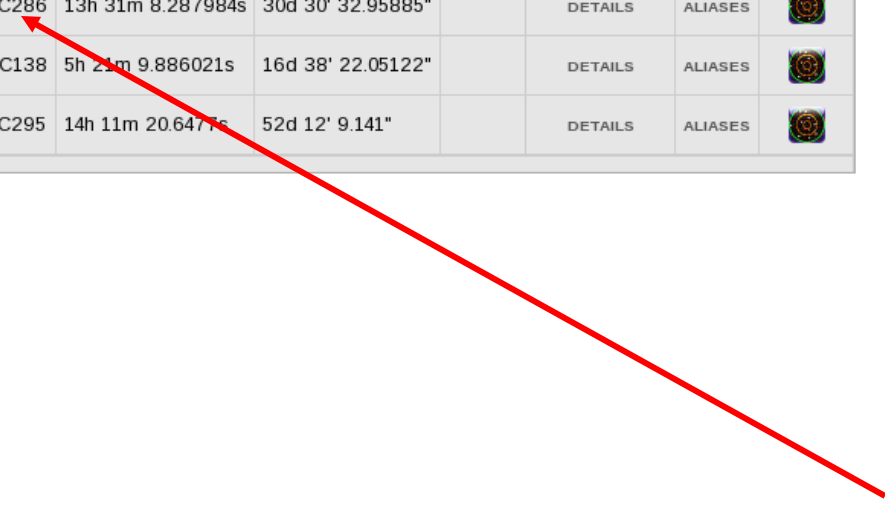
VLA

- RA Groups
- Dec Groups
- VLA Flux Cal

SOURCES IN 'VLA FLUX CAL' (5)

Select: [All](#) | [None](#) Show: [25](#) | [50](#) | [100](#) | [200](#) SELECT COORDINATE SYSTEM: [Equatorial](#)

		Name	Right Ascension	Declination	Velocity	Flux / Structure		Sky Map
<input type="checkbox"/>		0137+331=3C48	1h 37m 41.299431s	33d 9' 35.13299"		DETAILS	ALIASES	
<input type="checkbox"/>		0542+498=3C147	5h 42m 36.137916s	49d 51' 7.23356"		DETAILS	ALIASES	
<input type="checkbox"/>		1331+305=3C286	13h 31m 8.287984s	30d 30' 32.95885"		DETAILS	ALIASES	
<input type="checkbox"/>		0521+166=3C138	5h 21m 9.886021s	16d 38' 22.05122"		DETAILS	ALIASES	
<input type="checkbox"/>		1411+522=3C295	14h 11m 20.64775s	52d 12' 9.141"		DETAILS	ALIASES	



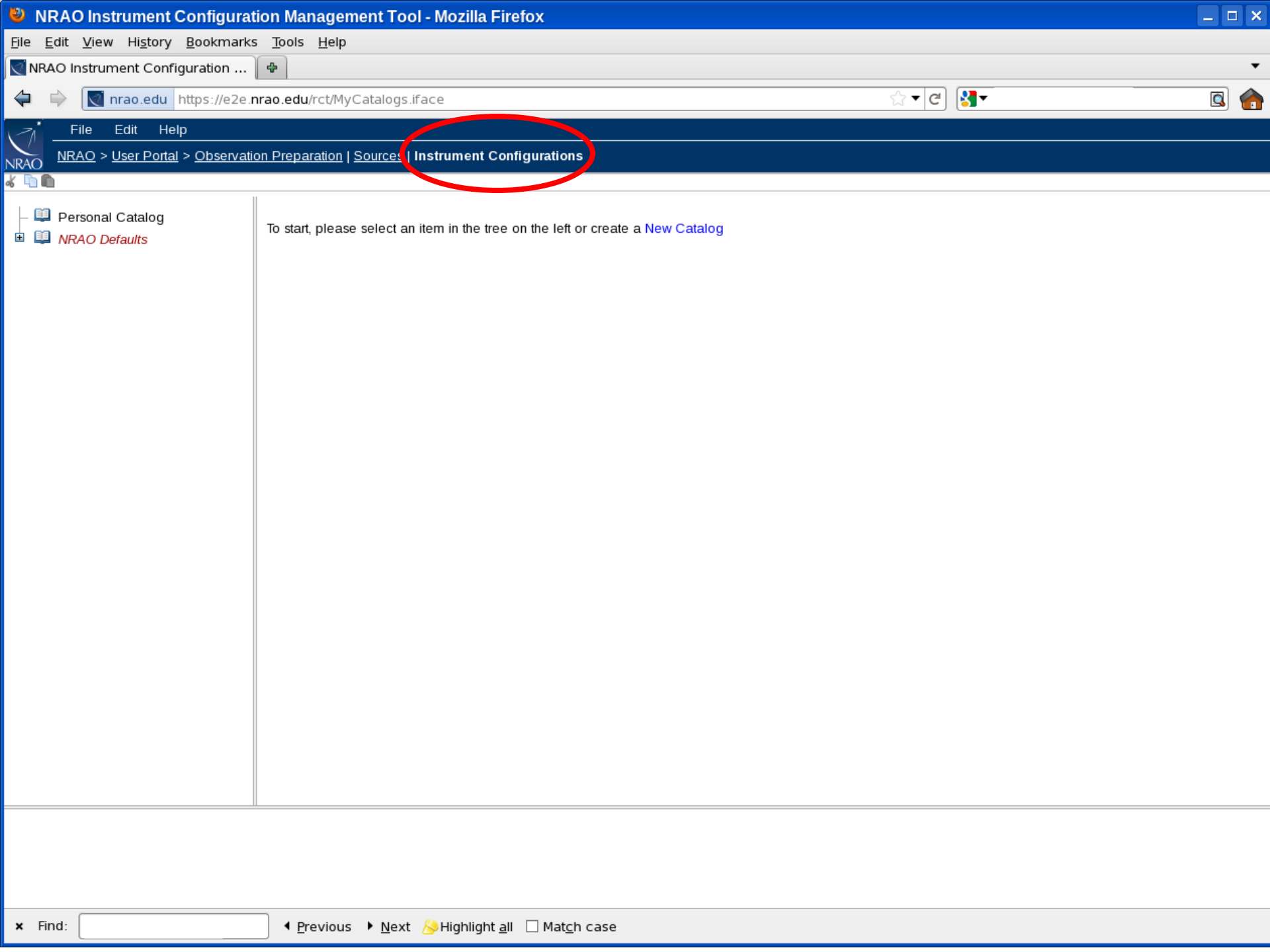
Source Catalog (SCT)

- Target source: the AGB star IRC+10216
- RA (J2000): 09:47:57.382, DEC (J2000)= +13:16:40.66
- V (radio, LSR) = -26 km/s
- Ka –band targeting the HC3N ($\nu_o=36.39232$ GHz) and the SiS ($\nu_o=36.30963$ GHz) lines.
- LST target: 06:00 → 13:30 (high elevations for high frequencies)
- Phase calibrator: J0954+1743
- Reference pointing (C-band): J1008+0730
- Bandpass calibrator: J1229+0203 (LST range ~ 8:30 → 16:30)
- Flux density calibrator: J1331+305=3C286 (LST range ~ 8:30 → 18:30)

- Note that the bandpass and flux density calibrators do not require separate reference pointing calibrators.

Resource Catalog (RCT)

- Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0= 36.30963$ GHz) lines.



- Personal Catalog
- NRAO Defaults*

To start, please select an item in the tree on the left or create a [New Catalog](#)

Resource Catalog (RCT)

- Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0=36.30963$ GHz) lines.
- File → Create New → Catalog, fill out the name (e.g., NRAO_CD).
- File → Create New → Instrument Configuration

- Personal Catalog
- NRAO_CD
- NRAO Defaults

[Return to 'NRAO_CD'](#)

ID	Name	Telescope	Band	Correlator	Editor
206545	[New Resource]	EVLA	X (8.0GHz - 12.0GHz) 1-dB range: 8.0GHz - 12.4GHz 3-dB range: 7.7GHz - 12.6GHz	WIDAR	11A OSRO/OSRO-2

OSRO MODE

Full Polarization, two subbands, each with 64 channels/product in {RR, RL, LR, LL}

FREQUENCY

Output Pair	Center Frequency	Frequency Type	Sky Freq Range
AC	10.0GHz	<input type="radio"/> Rest <input checked="" type="radio"/> Sky	10.0GHz - 10.128GHz
BD	10.0GHz	<input type="radio"/> Rest <input checked="" type="radio"/> Sky	10.0GHz - 10.128GHz

DOPPLER SETTING

Configure separately? Configure together?

Position		Velocity	
Coordinate System	<input type="text"/>	Velocity	<input type="text"/>
	<input type="text"/>	Rest Frame	Topocentric

- Error:** The tuning logic was unable to place the frequency for Sampler Output AC where you requested. If there are other messages about this Sampler Output on your screen, first handle those and this problem may disappear. If there are not any other messages, it is likely that for your particular request the two frequencies you requested are too far apart for the tuning system. Try more closely spaced frequencies. (The tuning logic received a request to tune to 10.0GHz but centered the subband at 10.064GHz.) [Configuration "[New Resource]"]
- Error:** The tuning logic was unable to place the frequency for Sampler Output BD where you requested. If there are other messages about this Sampler Output on your screen, first handle those and

Resource Catalog (RCT)

- Ka –band targeting the HC3N ($\nu_0=36.39232$ GHz) and the SiS ($\nu_0=36.30963$ GHz) lines.
- Insert a name, e.g. IRC+10216
- Choose Ka-band
- Choose OSRO
- Insert the frequencies, choose ‘Rest’
- Choose 8 MHz SB BW, Full (64-channel/SB)
- Doppler setting (populate the fields through ‘Select Source’)
- Choose an integration time (e.g. 3 sec)

Personal Catalog
 NRAO_CD
 NRAO Defaults

[Return to 'NRAO_CD'](#)

ID	Name	Telescope	Band	Correlator	Editor
206545	IRC+10216	EVLA	Ka (26.5GHz - 40.0GHz) 1-dB range: 26.0GHz - 40.0GHz 3-dB range: 25.0GHz - 41.0GHz	WIDAR	OSRO

FREQUENCIES

Enabled	Output Pair	SB Center Freq.	Offset Freq. (Optional)	BB Sky Range	Rest/Sky?
<input checked="" type="checkbox"/>	AC	36.39232GHz	0.0MHz	35.8179GHz-36.8419GHz	<input checked="" type="radio"/> Rest <input type="radio"/> Sky
<input checked="" type="checkbox"/>	BD	36.30963GHz	0.0MHz	35.7352GHz-36.7592GHz	<input checked="" type="radio"/> Rest <input type="radio"/> Sky

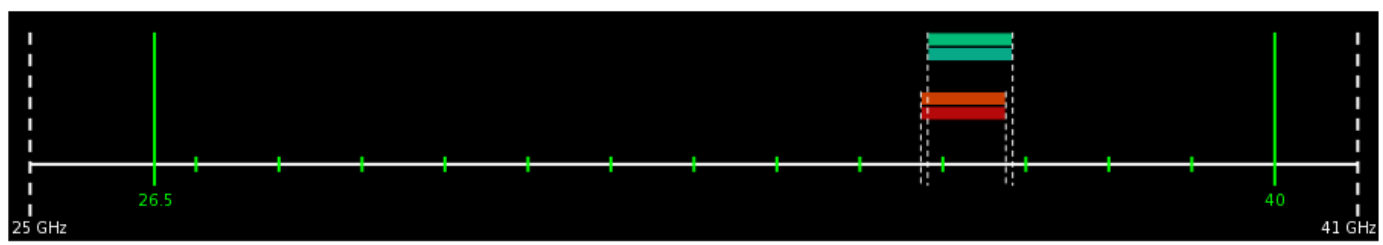
SUBBAND CONFIGURATION

# SBs	SB BW	Polarization	Channel Width	AC Sky Range	BD Sky Range
1	8MHz	Full (64 channels/SB)	125.0kHz	36.3939GHz - 36.4019GHz	36.3112GHz - 36.3192GHz



- Personal Catalog
- NRAO_CD
- NRAO Defaults*

# SBs	SB BW	Polarization	Channel Width	AC Sky Range	BD Sky Range
1	8MHz	Full (64 channels/SB)	125.0kHz	36.3939GHz - 36.4019GHz	36.3112GHz - 36.3192GHz



AC



BD



DOPPLER SETTING

javascript:;

- Personal Catalog
- NRAO_CD
- NRAO Defaults

35.74 GHz 36.25 GHz 36.76 GHz

DOPPLER SETTING

Configure separately? Configure together?

Position		Velocity	
Coordinate System	Equatorial	Velocity	-26.0 km/s
Right Ascension	9h 47m 57.382s	Rest Frame	LSR
Declination	13d 16' 40.66"	Convention	Radio
Epoch	J2000		
<input type="button" value="Select Source"/>			

CORRELATOR SETUP

INTEGRATION TIME s
DATA RATE 0.5990 Mbytes/s (2.157 Gbytes/hour)

COMMENTS

Observation Preparation

- Program Block:
 - Name: DEMO
 - Acceptable array configuration: drag the desired configuration

- [New Project]
- [PB] [New Program Block]
- [SB] [New Scheduling Block], (
- STD: [New Scan]

PROGRAM BLOCK DETAILS

NAME	<input type="text" value="[New Program Block]"/>	COMPLETED?	Yes
ALLOCATED TIME (hrs)	0.0	USED TIME (hrs)	0.0

ACCEPTABLE CONFIGURATIONS

Drag configurations from the list on the right to the left to choose that configuration.
Drag configurations on the left up and down in order to adjust their priority.
Drag configurations from the list on the left to the right to remove that configuration.

ACCEPTABLE CONFIGURATIONS	AVAILABLE CONFIGURATIONS
	A <input type="checkbox"/>
	B <input type="checkbox"/>
	C <input type="checkbox"/>
	D <input type="checkbox"/>
	BNA <input type="checkbox"/>
	CNB <input type="checkbox"/>
	DNC <input type="checkbox"/>
	A=>BNA <input type="checkbox"/>
	BNA=>B <input type="checkbox"/>
	B=>CNB <input type="checkbox"/>
	CNB=>C <input type="checkbox"/>
	C=>DNC <input type="checkbox"/>
	DNC=>D <input type="checkbox"/>

SCHEDULING BLOCKS

[New Project]
PB DEMO
SB [New Scheduling Block]
STD: [New Scan]

PROGRAM BLOCK DETAILS

NAME COMPLETED? Yes
ALLOCATED TIME (HRS) 0.0 USED TIME (HRS) 0.0

ACCEPTABLE CONFIGURATIONS

Drag configurations from the list on the right to the left to choose that configuration.
Drag configurations on the left up and down in order to adjust their priority.
Drag configurations from the list on the left to the right to remove that configuration.

ACCEPTABLE CONFIGURATIONS	AVAILABLE CONFIGURATIONS
<input type="text" value="D"/>	A
	B
	C
	BNA
	CNB
	DNC
	A=>BNA
	BNA=>B
	B=>CNB
	CNB=>C
	C=>DNC
	DNC=>D
	D=>A

SCHEDULING BLOCKS

Observation Preparation

- Scheduling Block: Information tab.
- Name: DEMO SB
- LST range:
 - LST target/phase_cal/ref_cal: 06:00 → 13:30
 - LST BP_cal: 08:30 → 16:30
 - LST Flux_cal: 08:30 → 18:30

Assuming a 3 hr long SB:

optimal LST start range: 08:30 → 10:30

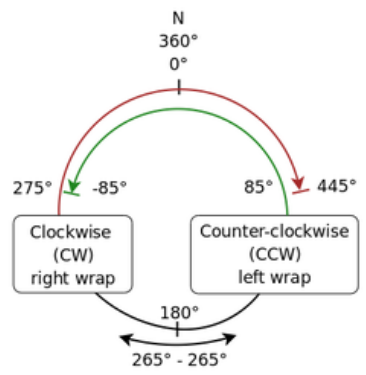
- Scheduling constraints: choose Ka band's

[New Project]
PB DEMO
SB DEMO SB, 00:00:00
STD: [New Scan]

Information Reports Validation and Submission Bulk Scan Edit Executions

SCHEDULING BLOCK DETAILS

GENERATED ID	6613118	STATUS	Not Submitted
NAME	DEMO SB	COMPLETED	0
COUNT	1	TIME PER EXECUTION	00:00:00
TOTAL TIME	00:00:00		
SCHEDULE TYPE	Dynamic		
LST START RANGE	08 : 30 - 10 : 30		
	NO CONSTRAINT: <input type="checkbox"/>		
EARLIEST UT START DATE (OPTIONAL)	2011/12/10		
SHADOWING LIMIT (MAX)	0.0 m		
IN CONFIGURATION	D		
ASSUMED ANTENNA STARTING POSITION			
COORDINATE SYSTEM	HORIZONTAL		
AZIMUTH	225.0d		



[New Project]

- DEMO
 - DEMO SB, 00:00:00
 - STD: [New Scan]

ASSUMED ANTENNA STARTING POSITION

COORDINATE SYSTEM HORIZONTAL

AZIMUTH

ELEVATION

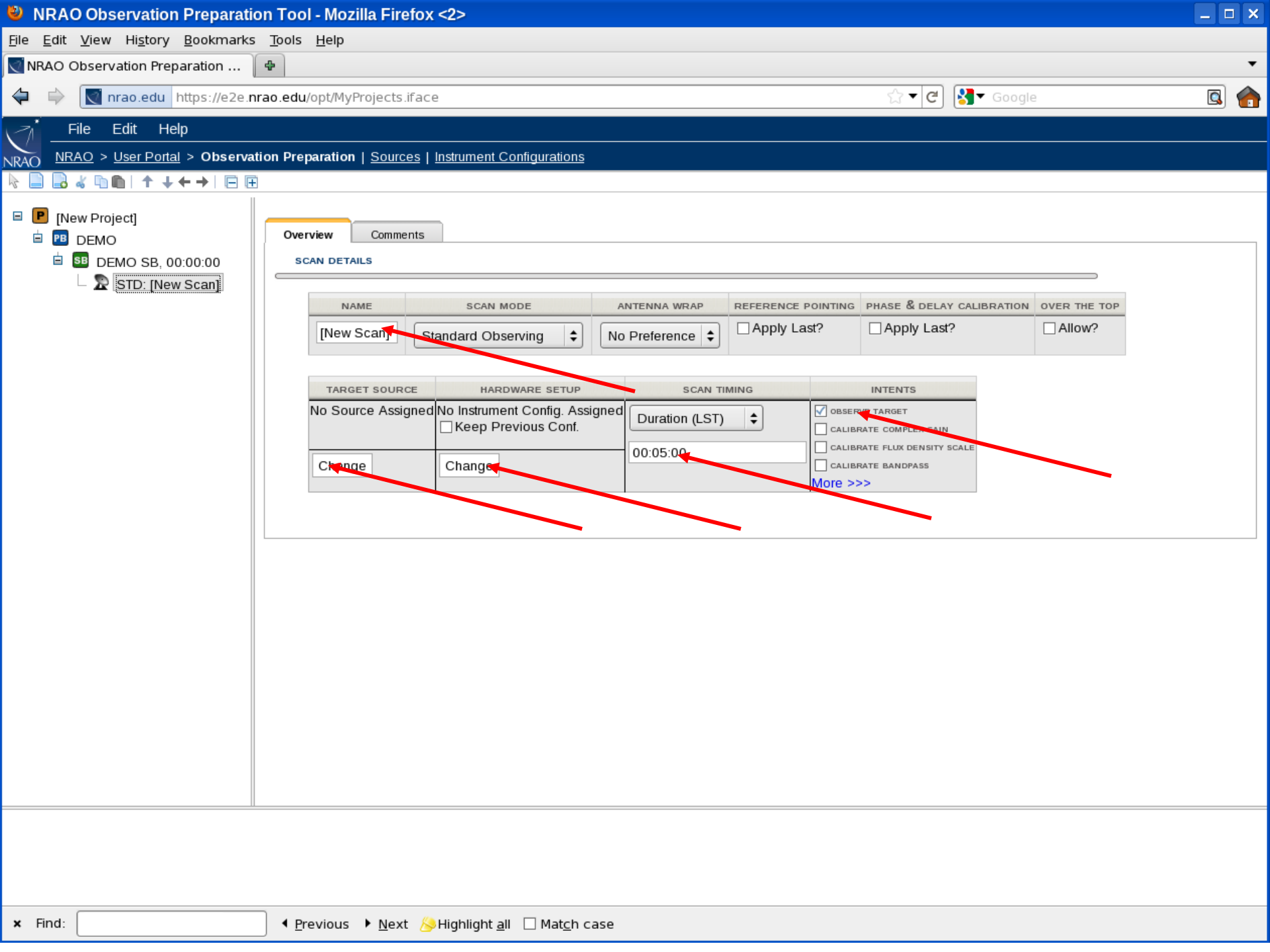
SCHEDULING CONSTRAINTS/CONDITIONS

	Description	Wind	Atmospheric Phase Limit
<input type="radio"/>	Lowest Frequencies (4, P, and L)	Any	Any
<input type="radio"/>	2.0GHz - 4.0GHz (S)	Any	60.0 degrees
<input type="radio"/>	4.0GHz - 8.0GHz (C)	Any	45.0 degrees
<input type="radio"/>	8.0GHz - 12.0GHz (X)	15.0 m/s	30.0 degrees
<input type="radio"/>	12.0GHz - 18.0GHz (Ku)	10.0 m/s	15.0 degrees
<input type="radio"/>	18.0GHz - 26.5GHz (K)	7.0 m/s	10.0 degrees
<input checked="" type="radio"/>	26.5GHz - 40.0GHz (Ka)	6.0 m/s	7.0 degrees
<input type="radio"/>	40.0GHz - 50.0GHz (Q)	5.0 m/s	5.0 degrees
<input type="radio"/>	Specified Constraints	<input type="text"/> m/s	<input type="text"/> degrees

COMMENTS TO THE OPERATOR

Observation Preparation

- Scheduling Block: Scans
 - Dummy scan for each correlator configuration
 - The Ka-band configuration
 - The C-band reference pointing configuration
 - Reference pointing scan on J1008+0730
 - Phase calibrator J0954+0743
 - Target-Phase cal loop
 - Repeat the last three steps
 - Ref. point. on BP cal, Ka-band scan on BP cal
 - Ref. point. on Flux cal, Ka-band scan on Flux cal



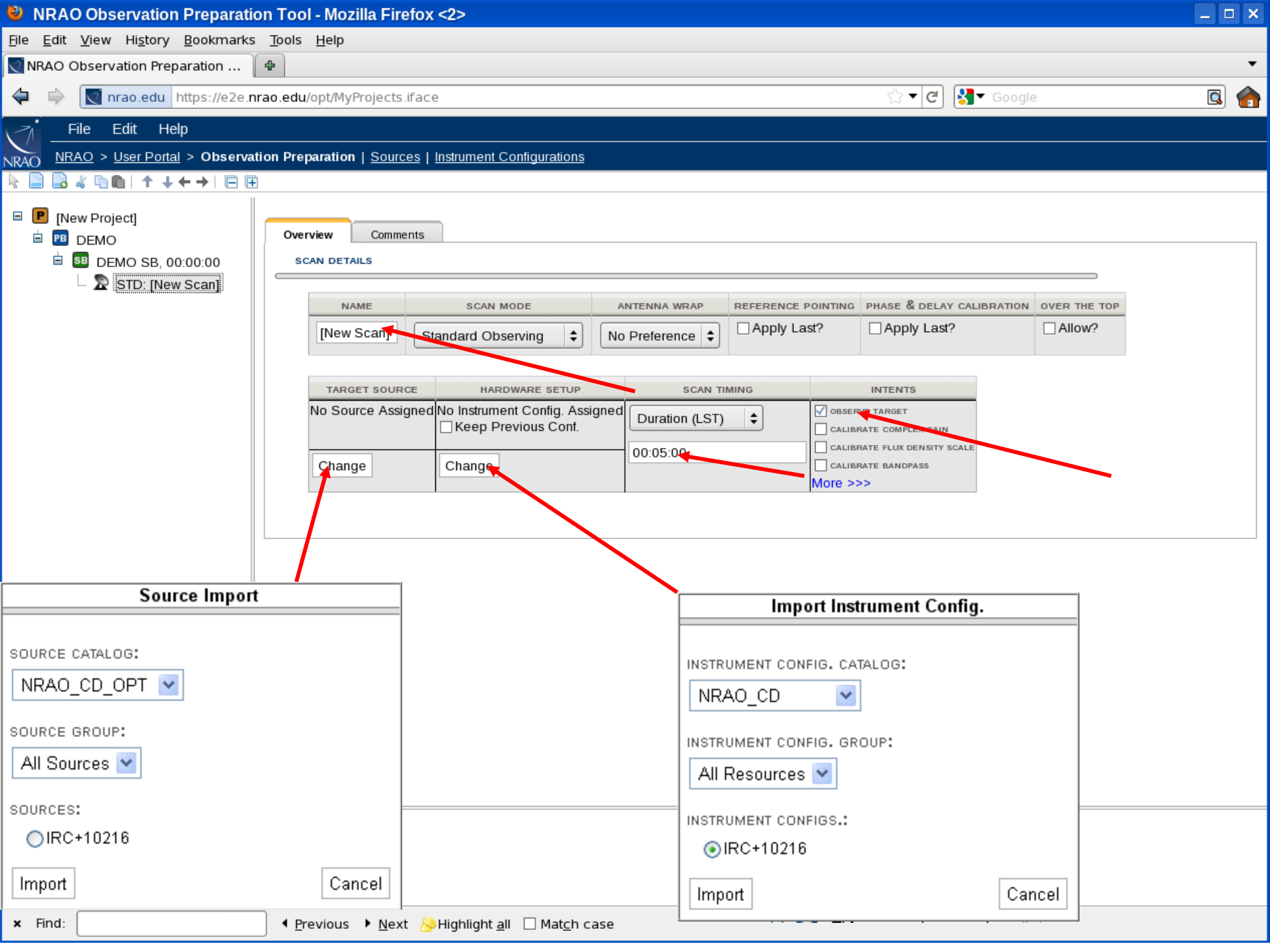
- [New Project]
- DEMO
- DEMO SB, 00:00:00
- STD: [New Scan]

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
[New Scan]	Standard Observing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
No Source Assigned	No Instrument Config. Assigned <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:05:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
Change	Change		



[New Project]
PB DEMO
SB DEMO SB, 00:00:00
STD: [New Scan]

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
[New Scan]	Standard Observing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
No Source Assigned	No Instrument Config. Assigned <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:05:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEXTAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
Change	Change		

Source Import

SOURCE CATALOG:
NRAO_CD_OPT

SOURCE GROUP:
All Sources

SOURCES:
IRC+10216

Import Cancel

Import Instrument Config.

INSTRUMENT CONFIG. CATALOG:
NRAO_CD

INSTRUMENT CONFIG. GROUP:
All Resources

INSTRUMENT CONFIGS.:
IRC+10216

Import Cancel

[New Project]
 PB DEMO
 SB DEMO SB, 00:01:00
 STD: dummy Ka

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
dummy Ka	Standard Observing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
J1008+0730 RA: 10h 8m 0.016s DEC: 7d 30' 16.552"	IRC+10216 Receiver: Ka-band A0/C0: 36.39232GHz B0/D0: 36.30963GHz <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:01:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

Observation Preparation

- Scheduling Block: Scans
 - Insert more scans through File → Create New → Scan

File Edit Help

[New Project]
 DEMO
 DEMO SB, 00:02:00
 STD: dummy Ka
 STD: dummy C

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
dummy C	Standard Observing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
J1008+0730 RA: 10h 8m 0.016s DEC: 7d 30' 16.552"	Primary C band pointing Receiver: C-band A0/C0: 4.896GHz B0/D0: 5.024GHz <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:01:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

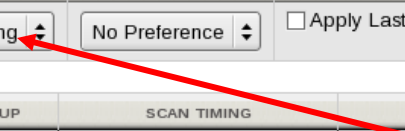
DEMO
DEMO
DEMO SB, 03:00:00
STD: dummy Ka
STD: dummy C
IP: J1008+0730

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
J1008+0730	Interferometric Pointing	No Preference	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
J1008+0730 RA: 10h 8m 0.016s DEC: 7d 30' 16.552"	Primary C band pointing Receiver: C-band A0/C0: 4.896GHz B0/D0: 5.024GHz	Duration (LST) 00:10:00	<input checked="" type="checkbox"/> CALIBRATE OFFSET POINTING
<input type="button" value="Change"/>	<input type="button" value="Change"/>		





- DEMO
- DEMO
- DEMO SB, 03:00:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
J0954+1743	Standard Observing	No Preference	<input checked="" type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
J0954+1743 RA: 9h 54m 56.823626s DEC: 17d 43' 31.22242"	IRC+10216 Receiver: Ka-band A0/C0: 36.39232GHz B0/D0: 36.30963GHz <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:02:00	<input type="checkbox"/> OBSERVE TARGET <input checked="" type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

[New Project]

- DEMO
 - DEMO SB, 00:25:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (LX) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
IRC+10216	Standard Observing	No Preference	<input checked="" type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
IRC+10216 RA: 9h 47m 57.382s DEC: 13d 16' 40.66" VELOCITY -26.0km/s Lsr Kinematic Radio	IRC+10216 Receiver: Ka-band A0/C0: 36.39232GHz B0/D0: 36.30963GHz <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:05:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

Observation Preparation

- Scheduling Block: Scans
 - Insert more scans through File → Create New → Scan
 - Duplicate scans and scan loops through: Edit → Copy, Edit → Paste

[New Project]

- DEMO
 - DEMO SB, 02:59:15
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
IRC+10216	Standard Observing	No Preference	<input checked="" type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
IRC+10216 RA: 9h 47m 57.382s DEC: 13d 16' 40.66" VELOCITY -26.0km/s Lsr Kinematic Radio	IRC+10216 Receiver: Ka-band A0/C0: 36.39232GHz B0/D0: 36.30963GHz <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:05:00	<input checked="" type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

[New Project]

- DEMO
 - DEMO SB, 02:59:15
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1229+0203
 - STD: J1229+0203
 - IP: 1331+305=3C286
 - STD: 1331+305=3C286

Overview Comments

SCAN DETAILS

NAME	SCAN MODE	ANTENNA WRAP	REFERENCE POINTING	PHASE & DELAY CALIBRATION	OVER THE TOP
J1229+020:	Standard Observing	No Preference	<input checked="" type="checkbox"/> Apply Last?	<input type="checkbox"/> Apply Last?	<input type="checkbox"/> Allow?

TARGET SOURCE	HARDWARE SETUP	SCAN TIMING	INTENTS
J1229+0203 RA: 12h 29m 6.699729s DEC: 2d 3' 8.59819"	IRC+10216 Receiver: Ka-band A0/C0: 36.39232GHz B0/D0: 36.30963GHz <input type="checkbox"/> Keep Previous Conf.	Duration (LST) 00:05:30	<input type="checkbox"/> OBSERVE TARGET <input type="checkbox"/> CALIBRATE COMPLEX GAIN <input type="checkbox"/> CALIBRATE FLUX DENSITY SCALE <input checked="" type="checkbox"/> CALIBRATE BANDPASS More >>>
<input type="button" value="Change"/>	<input type="button" value="Change"/>		

Observation Preparation

- SB: 'Reports' to view all you have done

[New Project]

- DEMO
 - DEMO SB 03:00:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1229+0203
 - STD: J1229+0203
 - IP: 1331+305=3C286
 - STD: 1331+305=3C286

OBSERVING PROGRAM

Print

PROJECT CODE: 5429_1
 GENERATED ID: 6613118
 PRINCIPAL INVESTIGATOR: Dr. Galactico Armenian <emomjian@gmail.com>

ASSUMED SCHEDULE START: 62633 09:30:00 LST Update Display UTC times

SCHEDULE STOP: 62633 12:30:00 LST

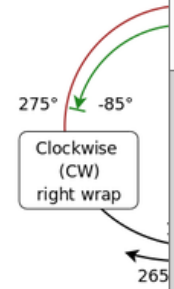
ASSUMED ANTENNA POSITION
 AZIMUTH: 225.0d
 ELEVATION: 35.0d

LST START RANGE: 08:30:00-10:30:00
 WIND CONSTRAINTS: 6.0 m/s
 API CONSTRAINTS: 7.0 degrees

- [Instrument Configuration Summary](#)
- [Time On Source Summary](#)
- [Schedule Summary](#)

INSTRUMENT CONFIGURATION SUMMARY

Name	T _{int}	AC Freq	AC Rest/Sky	AC Summed BW	AC Coverage (%)	Req. BIBPs	# Channels	AC Doppler Vel.	
	Band	BD Freq	BD Rest/Sky	BD Summed BW	BD Coverage (%)	Total BIBPs	Min/Max Width	BD Doppler Vel.	
1 IRC+10216	3s	36.39232GHz	Rest	8.0MHz	0.78125	2	128	-26.0km/s LSR Radio	9h
	Ka	36.30963GHz	Rest	8.0MHz	0.78125	2	125.0kHz / 125.0kHz	-26.0km/s LSR Radio	9h
Show All Subbands 									
2 Primary C band pointing	1s	4.896GHz	Sky	128.0MHz	12.5	2	128	---	---
	C	5.024GHz	Sky	128.0MHz	12.5	2	2.0MHz / 2.0MHz	---	---
Show All Subbands 									



Observation Preparation

- SB: 'Reports' to view all you have done
- Check
 - Instrument configuration summary
 - Time on source summary
 - Schedule summary.

[New Project]

- DEMO
 - DEMO SB 03:00:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1229+0203
 - STD: J1229+0203
 - IP: 1331+305=3C286
 - STD: 1331+305=3C286

Information Reports Validation and Submission Bulk Scan Edit Executions

OBSERVING PROGRAM

Print

PROJECT CODE: 5429_1
 GENERATED ID: 6613118
 PRINCIPAL INVESTIGATOR: Dr. Galactico Armenian <emomjian@gmail.com>

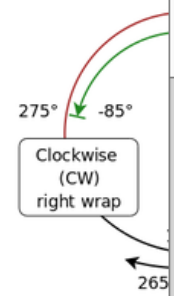
ASSUMED SCHEDULE START: LST

SCHEDULE STOP: 62633 12:30:00 LST

ASSUMED ANTENNA POSITION
 AZIMUTH: 225.0d
 ELEVATION: 35.0d

LST START RANGE: 08:30:00-10:30:00
 WIND CONSTRAINTS: 6.0 m/s
 API CONSTRAINTS: 7.0 degrees

- [Instrument Configuration Summary](#)
- [Time On Source Summary](#)
- [Schedule Summary](#)

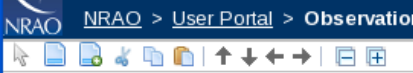


INSTRUMENT CONFIGURATION SUMMARY

Name	T _{int}	AC Freq	AC Rest/Sky	AC Summed BW	AC Coverage (%)	Req. BIBPs	# Channels	AC Doppler Vel.	
	Band	BD Freq	BD Rest/Sky	BD Summed BW	BD Coverage (%)	Total BIBPs	Min/Max Width	BD Doppler Vel.	
1 IRC+10216	3s	36.39232GHz	Rest	8.0MHz	0.78125	2	128	-26.0km/s LSR Radio	9h
	Ka	36.30963GHz	Rest	8.0MHz	0.78125	2	125.0kHz / 125.0kHz	-26.0km/s LSR Radio	9h
Show All Subbands 									
2 Primary C band pointing	1s	4.896GHz	Sky	128.0MHz	12.5	2	128	---	---
	C	5.024GHz	Sky	128.0MHz	12.5	2	2.0MHz / 2.0MHz	---	---
Show All Subbands 									

Observation Preparation

- SB: Reports to view all you have done.
- Change the 'assumed schedule start' at the top to assess whether all the scans in the SB are OK at all possible start times (in 0.5 hour increments) in the assumed LST range.



[New Project]

- DEMO
 - DEMO SB 03:00:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_cal
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1229+0203
 - STD: J1229+0203
 - IP: 1331+305=3C286
 - STD: 1331+305=3C286

Information Reports Validation and Submission Bulk Scan Edit Executions

OBSERVING PROGRAM

Print

PROJECT CODE: 5429_1
 GENERATED ID: 6613118
 PRINCIPAL INVESTIGATOR: Dr. Galactico Armenian <emomjian@gmail.com>

ASSUMED SCHEDULE START: 62633 09:30:00 LST Update Display UTC times

SCHEDULE STOP: 62633 12:30:00 LST

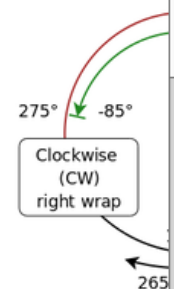
ASSUMED ANTENNA POSITION
 AZIMUTH: 225.0d
 ELEVATION: 35.0d

LST START RANGE: 08:30:00-10:30:00
 WIND CONSTRAINTS: 6.0 m/s
 API CONSTRAINTS: 7.0 degrees

- Instrument Configuration Summary
- Time On Source Summary
- Schedule Summary

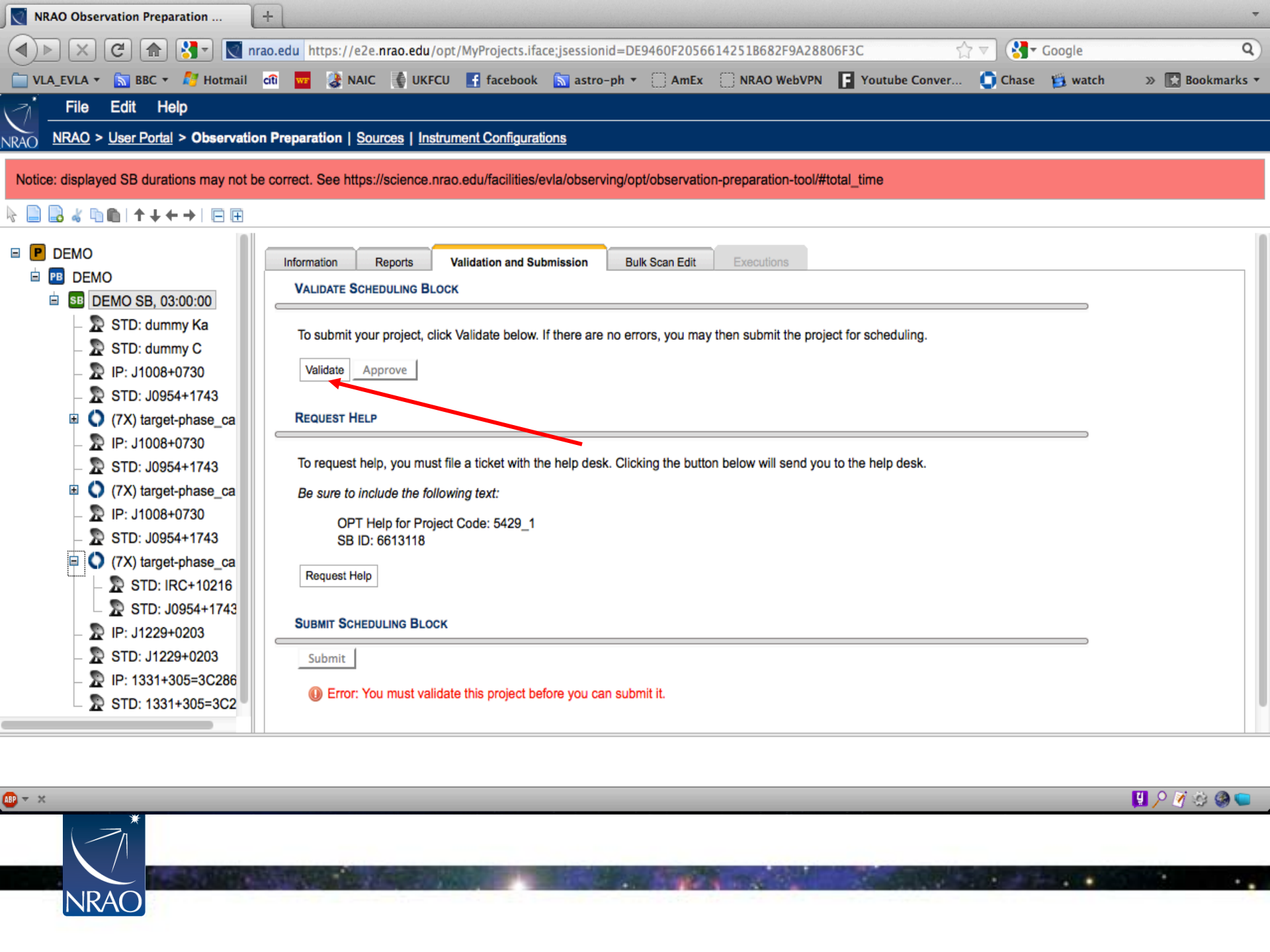
INSTRUMENT CONFIGURATION SUMMARY

Name	T _{int}	AC Freq	AC Rest/Sky	AC Summed BW	AC Coverage (%)	Req. BIBPs	# Channels	AC Doppler Vel.	
	Band	BD Freq	BD Rest/Sky	BD Summed BW	BD Coverage (%)	Total BIBPs	Min/Max Width	BD Doppler Vel.	
1 IRC+10216	3s	36.39232GHz	Rest	8.0MHz	0.78125	2	128	-26.0km/s LSR Radio	9h
	Ka	36.30963GHz	Rest	8.0MHz	0.78125	2	125.0kHz / 125.0kHz	-26.0km/s LSR Radio	9h
Show All Subbands 									
2 Primary C band pointing	1s	4.896GHz	Sky	128.0MHz	12.5	2	128	---	---
	C	5.024GHz	Sky	128.0MHz	12.5	2	2.0MHz / 2.0MHz	---	---
Show All Subbands 									



Observation Preparation

- SB:Validation and Submission.



Notice: displayed SB durations may not be correct. See https://science.nrao.edu/facilities/evla/observing/opt/observation-preparation-tool/#total_time

- DEMO
- DEMO
- DEMO SB, 03:00:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_ca
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_ca
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_ca
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1229+0203
 - STD: J1229+0203
 - IP: 1331+305=3C286
 - STD: 1331+305=3C2

Information Reports **Validation and Submission** Bulk Scan Edit Executions

VALIDATE SCHEDULING BLOCK

To submit your project, click Validate below. If there are no errors, you may then submit the project for scheduling.

Validate Approve

REQUEST HELP

To request help, you must file a ticket with the help desk. Clicking the button below will send you to the help desk.

Be sure to include the following text:
OPT Help for Project Code: 5429_1
SB ID: 6613118

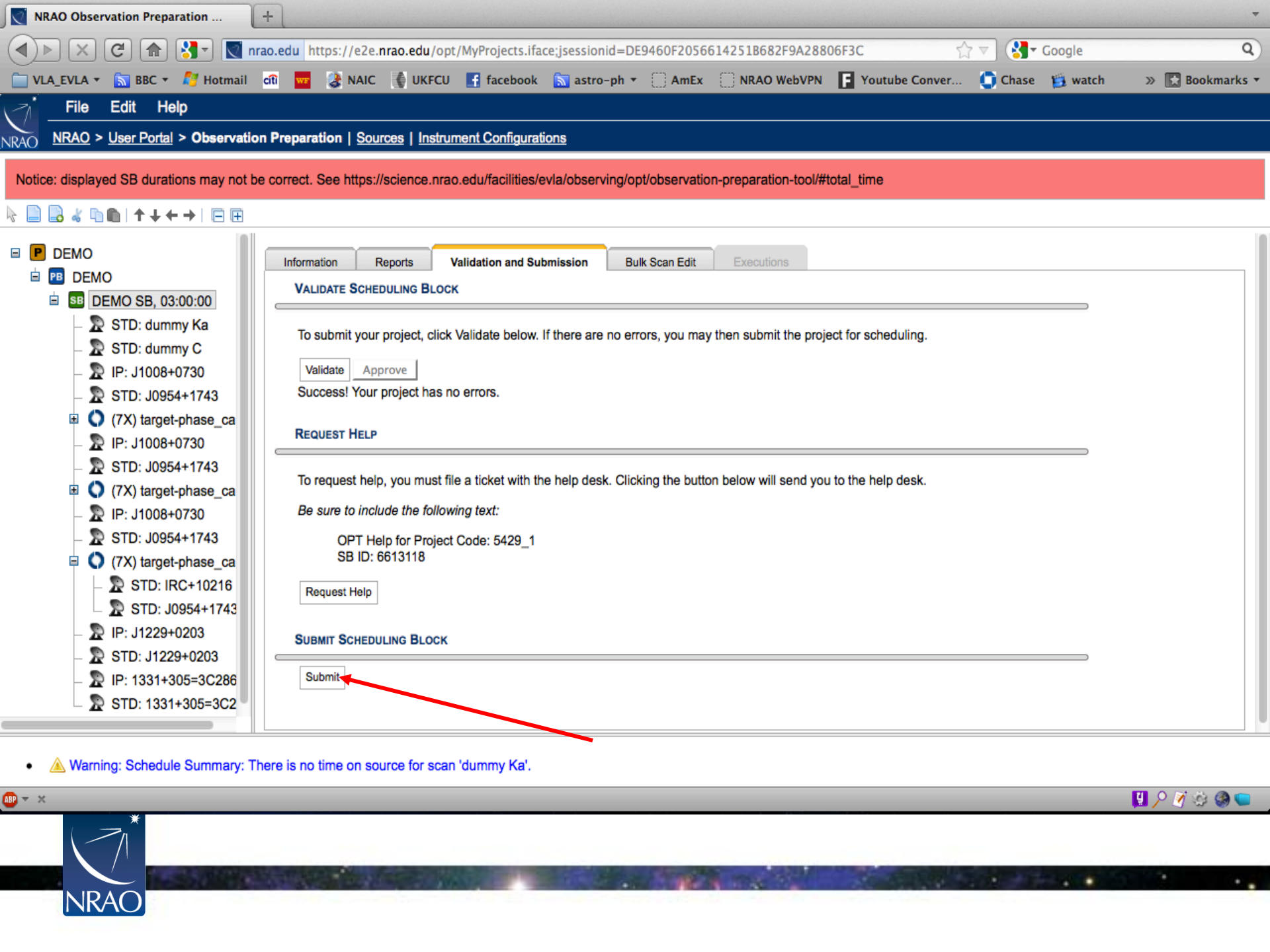
Request Help

SUBMIT SCHEDULING BLOCK

Submit

Error: You must validate this project before you can submit it.





Notice: displayed SB durations may not be correct. See https://science.nrao.edu/facilities/evla/observing/opt/observation-preparation-tool/#total_time

- DEMO
 - DEMO
 - DEMO SB, 03:00:00
 - STD: dummy Ka
 - STD: dummy C
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_ca
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_ca
 - IP: J1008+0730
 - STD: J0954+1743
 - (7X) target-phase_ca
 - STD: IRC+10216
 - STD: J0954+1743
 - IP: J1229+0203
 - STD: J1229+0203
 - IP: 1331+305=3C286
 - STD: 1331+305=3C2

Information Reports **Validation and Submission** Bulk Scan Edit Executions

VALIDATE SCHEDULING BLOCK

To submit your project, click Validate below. If there are no errors, you may then submit the project for scheduling.

Success! Your project has no errors.

REQUEST HELP

To request help, you must file a ticket with the help desk. Clicking the button below will send you to the help desk.

Be sure to include the following text:
OPT Help for Project Code: 5429_1
SB ID: 6613118

SUBMIT SCHEDULING BLOCK

- Warning: Schedule Summary: There is no time on source for scan 'dummy Ka'.



Observation Preparation

Logout of the OPT as soon as you are done!

Wait for an email from the EVLA operator notifying that the observations have been carried out!