



# Observing Application

Date: Apr 27, 2007  
 Proposal ID: VLA/07B-272  
**Legacy ID: AP533**  
 PI: Aina Palau  
 Type: Rapid Response  
 Exploratory Time  
 Category: Galactic  
 Total time: 0.5 hour

## A young star driving a cavity of swept up material - resubmission

**Abstract:**

This is a resubmission of an accepted Rapid Response Science proposal (AP525) aimed at measuring the spectral index of a centimeter source driving a cavity of swept-up material. The proposal had two parts. The first part consisted of C-configuration observations in the X and C bands, and the second part consisted of D-configuration observations in the X, K, and Q bands. However, the first part using the C configuration could not be carried out, while the D-configuration part was carried out one month ago. Therefore, we request for 30 minutes of exploratory time to measure the flux density in the C and X bands in the D configuration to carry out the first part of the AP525 proposal, and thus, together with the already observed data, evaluate the spectral index of the centimeter source.

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**Related proposals:**

AP525

**Joint:**

Not a Joint Proposal

**Observing type(s):**

Continuum, \*

**Resources:**

Resource name	Tele. Conf.	Frontend & Backend	Set up
I20343C	VLA D	C Band 6 cm 4200 - 7700 MHz VLA Correlator - Single Channel Continuum	Bandwidth: 50 MHz  Rest frequencies: 4885.1,4835.1 MHz
I20343X	VLA D	X Band 3.6 cm 8080 - 8750 MHz VLA Correlator - Single Channel Continuum	Bandwidth: 50 MHz  Rest frequencies: 8435.1,8485.1 MHz

**Sources:**

Source name	RA / RA Range	DEC / DEC Range	System	Velocity/z	Group name
I20343	20:36:07.2 00:00:00.0	+41:39:52 00:00:00	J2000	11.5 km/s	

**Sessions:**

Session Name	Session Time	Repeat	Separation	LST Minimum	LST Maximum	Elevation Minimum
I20343-config D	0.5 hour	1	0 day	22:00:00	02:00:00	0

**Session Constraints:**

Session Name	Constraint	Comments
I20343-configD		

**Session Source/Resource Pairs:**

Session Name	Source	Resource	Time	Figure of Merit
I20343-configD	I20343/	I20343C	0.25 hour	0.08mJy/bm
I20343-configD	I20343/	I20343X	0.25 hour	0.07mJy/bm

**Total Time per Configuration:**

Configuration	Total Time
D	0.5

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Present for observation: no Staff support: None