



# Observing Application

Date: Mar 2, 2007  
Proposal ID: VLA/07B-245  
**Legacy ID: AT346**  
PI: Steve Tremblay Tremblay  
Type: Rapid Response  
Exploratory Time  
Category: Extragalactic  
Total time: 0.5 hour

## Confirming Large-Scale Emission from CSO J11584+2450

### Abstract:

J11584+2450, which we have recently reclassified as a Compact Symmetric Object (CSO), has interesting characteristics on the parsec-scale. The NVSS image of this source shows westerly emission associated with the source, which is plausibly associated with the westerly emission this source shows on the parsec-scale. Confirmation of the kiloparsec-scale emission would make this source unique among other CSOs. Archival data can not confirm the presence of this extended emission, so we propose a 30 minute observation of the source in D-Configuration for this confirmation. If confirmed, we will then submit a C-Configuration proposal for the purpose of mapping out the structure of this emission.

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### Related proposals:

BT088

### Joint:

Not a Joint Proposal

### Observing type(s):

Continuum, \*

**Resources:**

Resource name	Tele. Conf.	Frontend & Backend	Set up
VLA-L-D	VLA D	L Band 20 cm 1200 - 2000 MHz VLA Correlator - Single Channel Continuum	Bandwidth: 50 MHz  Rest frequencies: 1464.9,1385.1 MHz

**Sources:**

Source name	RA / RA Range	DEC / DEC Range	System	Velocity/z	Group name
J11584+2450	11:55:51.6 00:00:00.0	25:06:59.8 00:00:00	B1950	z = 0.2	

**Sessions:**

Session Name	Session Time	Repeat	Separation	LST Minimum	LST Maximum	Elevation Minimum
J11584+2450	0.5 hour	1	0 day	08:00:00	16:00:00	0

**Session Constraints:**

Session Name	Constraint	Comments
J11584+2450		

**Session Source/Resource Pairs:**

Session Name	Source	Resource	Time	Figure of Merit
J11584+2450	J11584+2450/	VLA-L-D	0.5 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