

Requested calibrator monitoring by VLBA projects

On this page we summarize requested calibrator monitoring by VLBA observers per semester, starting with 21A. All collected data is publicly accessible through <https://data.nrao.edu/> under project codes TCAL0009 or TPOL0003.

Observing Semester 23B

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	Bands	SB id	date of VLA observation
23B-062	BR253	VLBA Triggered, VLA polcal requested	Pending	3C279, J2136+0041, J2202+4216	K (21.812-22.324 GHz on the VLBA)	44530999	
	BM546	Continuation of BL286 from 21B (6 hours of EVPA calibrators every 4-6 months for 3 years)	Monthly for 3 years	same as for BL273 (1828+487, 1803+784, 1807+698, 0212+735, 2200+420, 2351+456, 1901+319, 2201+315, 0208+106, 0234+285, 0333+321, J2355+4950, 0430+052, 3C 138, 0415+379)	X - Q	37501394	
23B-137	BL310	EVPA measurements close to time of observation	2023Dec05	BL Lac and DA193 (both in TPOL0003)	K (21512-24024 MHz)	44867309	

Observing Semester 23A

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	Bands	SB id	date of VLA observation
23A-198	BN064A	VLBA Triggered, VLA polcal requested	BN064A1, 2023Oct28 (BN064A2, 2024Apr) (BN064A2, 2024Oct)	3C279 (J1256-0547) and 3C286 (J1331+3030)	C (4412-4668,6540-6796 MHz) K (23312-23824 MHz) Q (42912-43424 MHz)	44546405	
23A-198	BN064C	VLBA Triggered, VLA polcal requested	BN064C1, 2024Jan30	J0555+3948	C (4412-4668,6540-6796 MHz) U (15040-15552 MHz) K (23312-23824 MHz) Q (42912-43424 MHz)	45040978	

Observing Semester 22B

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	Bands	SB id	date of VLA observation
22B-260	BT154	within 10 days of VLBA observations.	BT154A 2022 Oct 18 BT154B 2023 Jan24	OJ287, 0528+134, and 0235+164	K,U,C (23.5-24 GHz, 15-15.5 GHz, 4.4-6.7GHz)	42608628	2022 Oct 20 2023 Jan 17
22B-183	BL299	within 10 days of VLBA observations	BL299A 2022 Sep 24	0133+476, 0736+017, 0814+425, 1611+343, 1633+382, 1641+399, 2201+315	8176, 8304, 8432, 8560, 11974, 12104, 12232, 12360, 15176, 15304, 15432, 15560 MHz	42764486 42768214	2022 Sep 26 2022 Sep 26

22B-120	BL298	Sep 25 to Oct 10	BL298A 2022 Oct 01 BL298B 2022 Oct 02	NRAO150, BLLac, 2023+335 (in the TPOL0003 monitoring list), 3C418	11976,12104,12232,12360, 15176,15304,15432,15560, 23376,23504,23632,23760, 42976,43104,43232,43360 MHz	42779727 42783688 Repeat for 42779727: 42856397 43831036 43831242 / 43831546 (linked)	2022 Sep 29 (CBE error last two scans no data; only Q and K will be able to calibrate) 2022 Sep 27 2022 Oct 10
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Observing Semester 21B

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	Bands	SB id	date of VLA observation
21B-011	BT152	VLA observation within 4 days of each VLBA observation / alternatively 2 week cadence between first and last VLBA observation	2021-10-07 2021-10-08 2021-10-31 2022-01-23 2022-05-26 2022-06-18 2-22-06-19 Complete.	OQ208, 1144+402, 1308+326, 1331+305=3C286	C, Ku	40033000	2021-08-22 2021-08-24 2021-10-09 2021-10-24 2021-11-12 2021-11-27 2021-12-28 2022-01-12 2022-01-27 2022-02-13 2022-04-20 2022-05-05 2022-05-22
21B-053	BL286	6 hours of EVPA calibrators every 4-6 months for 3 years.	Monthly for 3 years.	same as for BL273 (1828+487, 1803+784, 1807+698, 0212+735, 2200+420, 2351+456, 1901+319, 2201+315, 0208+106, 0234+285, 0333+321, J2355+4950, 0430+052, 3C 138, 0415+379)	X - Q	37501394	2022-02-27 2022-06-02 2022-09-02 2022-12-17
21B-086	BH233	EVPA calibrators OJ287 (and 0235+164) at both K and Q bands within 20 days of VLBA observations.	BH233A 2022Jan20 BH233B 2022Apr15 BH233C (Interval 75 days)	OJ287 and 0235+164; Note OJ287 at Q-band shows two polarization components beating against each other. OJ287: K: ~-50 deg. (~3%) Q: ~-35 deg. (~6%) 0235+164: K: ~-29 deg (~2%) Q: ~-36 deg. (~24%)	K, Q	41029961	2022-01-22 2022-01-22 2022-05-05
21B-366	BR247	Observed: 3C286 against J1159+2914, J1310+3220, J0927+3902, J1642+3948, J1602+3326 (weakly pol.), J1415+1320 (unpol.; 0.7-0.6 Jy)			Ku, Q	41145606	2022-01-22

Observing Semester 21A

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	SB id	date of VLA observation
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21A-195	BM509	Joint VLA proposal will handle EVPA - Triggered				
21A-095	BA142	VLA EVPA requested if target is bright enough for VLBA polarimetry within 10d of VLBA obs. - Triggered				
21A-289	BR236	VLA observations within 10d of VLBA observations				

Observing Semester 20B

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	Bands	SB id	date of VLA observation
	SC030	needed close in time (2-3 weeks) 15 GHz observations with JVLA	2020-07-30	J1310+3220		37407427	2020-08-29
	SC030		2020-12-15	J1310+3220		37407427	2020-11-16
	SC030		2021-01-03	J1310+3220		39214962	2021-01-06
	SC030			J1310+3220	L - Q	37407427	2021-02-17
	BH227			J0713+4349, J0854+2006, J1310+3220, J1331+3030	X, Ku, K	39185654	2020-12-19
	BH227			J0713+4349, J0854+2006, J1310+3220, J1331+3030	X, Ku, K	39185654	2021-01-18
	BH227			J0713+4349, J0854+2006, J1310+3220, J1331+3030	X, Ku, K	39185654	2021-02-25
	BH227			J0713+4349, J0854+2006, J1310+3220, J1331+3030	X, Ku, K	39185654	2021-03-30
	BH227			J0713+4349, J0854+2006, J1310+3220, J1331+3030	X, Ku, K	39185654	2021-05-02
20B-274	BM506	Two VLA observations per year for three years.	Monthly				
		SB provided by PI, target date 2021/03/01 - 2021/04/30		J0854+2006, J1058+0133, J1159+2914, J1256-0547, J1512-0905	Q	39347876 (released 2021/03/30)	2021-04-25
		SB provided by PI, target date 2021/09/15 - 2021/11/15		J0854+2006, J1058+0133, J1159+2914, J1256-0547, J1512-0905	Q	39359007 (released 2022/01/20)	2022-01-21
		Copy of previous SB. Count 3, interval 135.		J0854+2006, J1058+0133, J1159+2914, J1256-0547, J1512-0905	Q	42790130	2022-10-22

Observing Semester 17B

Proposal Code	Legacy Code	Type of Request	date of VLBA observation	calibrators to observe	Bands	SB id	date of VLA observation
17B-228	BI043	One observation within a month of the VLBA observations. A typical full-polarization continuum observation setup, with rms~3-5mJy/beam, which should allow a 10-sigma detection of polarized flux of 3C48 (with Fpol ~ 0.046 Jy/beam in Q-band).	BI043A ? BI043B 2022/02/14 BI043C 2022/02/13	J0359+5057, J0137+331 (AKA 3C48)	43 GHz	41246468	Whenever ready.