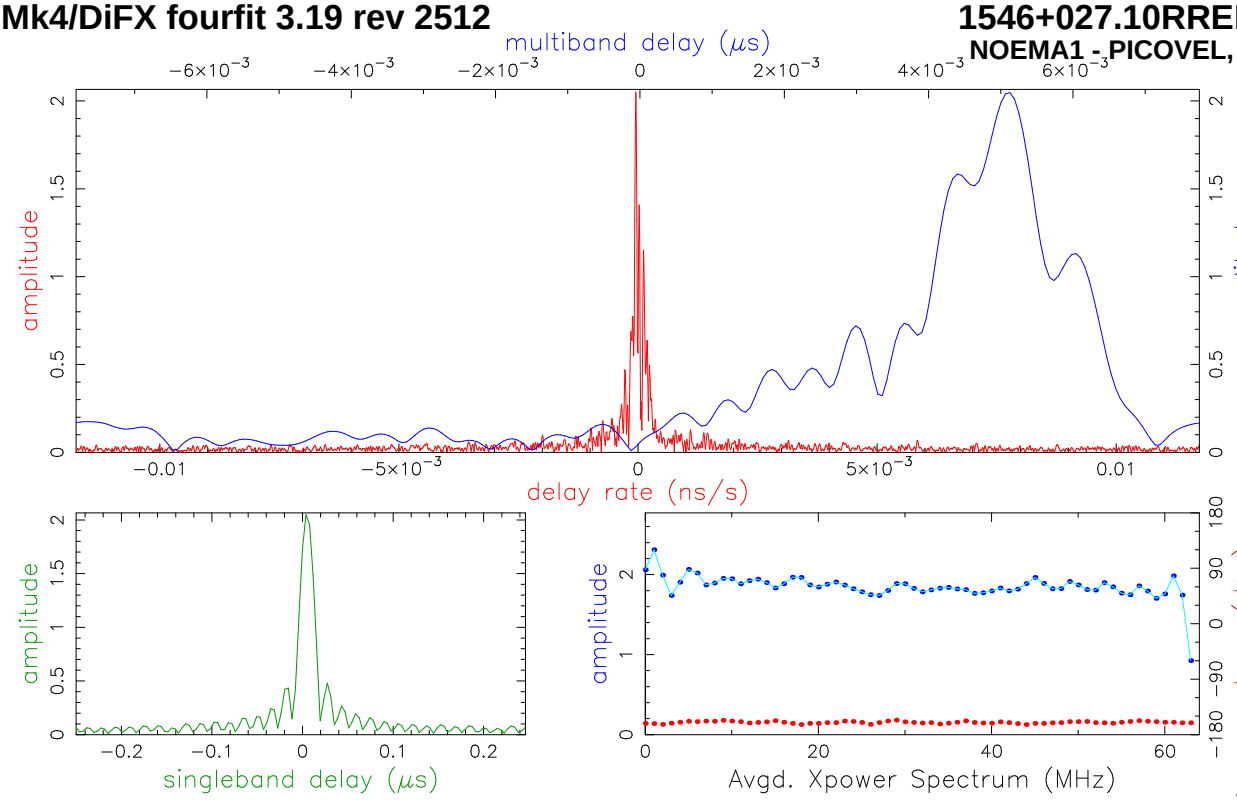
Mk4/DiFX fourfit 3.19 rev 2512

1546+027.10RREB, No0030, tP

NOEMA1 - PICOVEL, fgroup W, pol LL

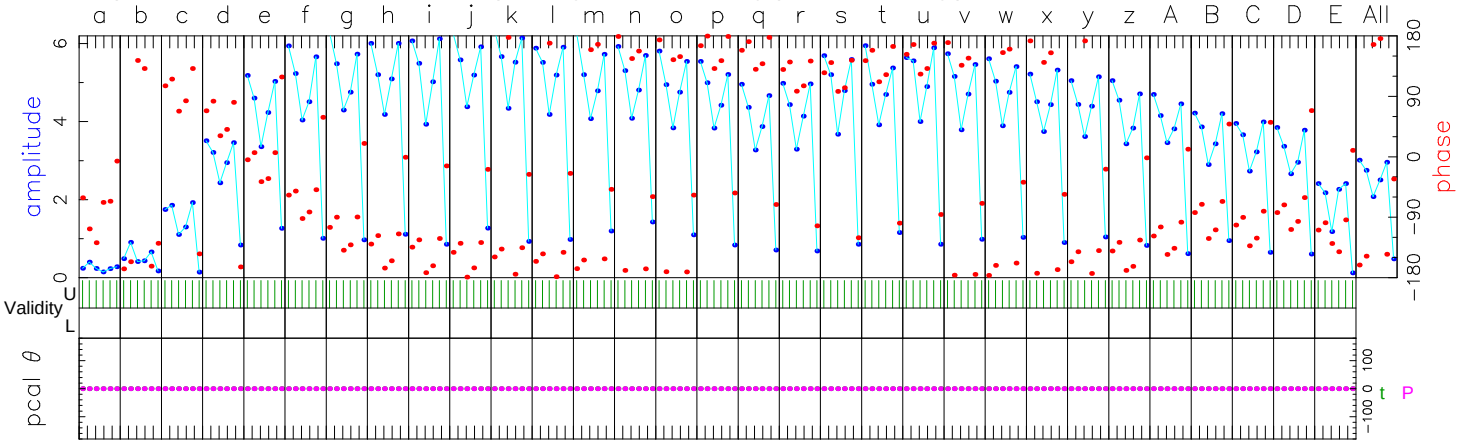


Fringe quality 1

SNR 192.6
Int time 299.938
Amp 2.066
Phase -162.3
PFD 0.0e+00
Delays (us)
SBD 0.004972
MBD 0.005109
Fringe rate (Hz)
-0.004272
Ion TEC 0.000
Ref freq (MHz)
85100.0000
AP (sec) 0.500

Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:095406
2020:042:114254
2019:065:170717
RA & Dec (J2000)
15h49m29.436846s
+02°37'01.163319"

Amp. and Phase vs. time for each freq., 6 segs, 100 APs / seg (50.00 sec / seg.), time ticks 60 sec



	85100.00	85164.00	85228.00	85292.00	85356.00	85420.00	85484.00	85548.00	85612.00	85676.00	85740.00	85804.00	85868.00	85932.00	85996.00	86060.00	86124.00	86188.00	86252.00	86316.00	86380.00	86444.00	86508.00	86572.00	86636.00	86700.00	86764.00	86828.00	86892.00	86956.00	87020.00	Freq (MHz)	All
	-76.4	-174.9	106.6	65.8	-7.1	-61.9	-106.7	-132.3	-138.2	-144.1	-152.1	-158.6	-168.3	178.4	173.1	163.1	158.9	127.1	125.9	144.4	152.6	168.8	-176.7	173.1	-155.8	-140.9	-117.2	-85.0	-101.8	-80.8	-111.8	Phase	-162.3
	0.2	0.4	1.2	2.3	3.4	4.0	4.1	4.0	4.1	4.2	4.3	4.1	4.0	4.0	3.8	3.7	3.3	3.4	3.9	3.8	4.0	3.8	3.8	3.6	3.5	3.3	3.2	2.8	2.7	2.6	1.6	Ampl.	3.3
	65.6	64.8	65.9	65.6	65.5	65.8	65.9	66.1	66.4	66.2	66.2	66.1	66.2	66.2	66.2	66.3	66.0	66.1	66.5	66.5	66.2	66.7	66.3	66.4	66.8	66.1	67.1	66.2	66.3	66.4	66.1	Sbd box	66.3
U/L	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	APs used	
t	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
t	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
t	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	W08UL	W09UL	W10UL	W11UL	W12UL	W13UL	W14UL	W15UL	W16UL	W17UL	W18UL	W19UL	W20UL	W21UL	W22UL	W23UL	W24UL	W25UL	W26UL	W27UL	W28UL	W29UL	W30UL	Chan ids	
																																Tracks	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	W08UL	W09UL	W10UL	W11UL	W12UL	W13UL	W14UL	W15UL	W16UL	W17UL	W18UL	W19UL	W20UL	W21UL	W22UL	W23UL	W24UL	W25UL	W26UL	W27UL	W28UL	W29UL	W30UL	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55153632184E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	5.10919E-03	+/-	1.4E-06
Sband delay (usec)	-1.55153645953E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	4.97150E-03	+/-	4.5E-05
Phase delay (usec)	-1.55154143633E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-5.29635E-06	+/-	1.9E-08
Delay rate (us/s)	-1.98630986687E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-5.01990E-08	+/-	1.1E-10
Total phase (deg)	-83.3	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-162.3	+/-	0.6

	RMS	Theor.							
			Amplitude	2.066 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	55.8	0.7	Search (2048X128)	2.014	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250
amp/seg (%)	43.5	1.3	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008
ph/frq (deg)	62.7	1.7	Inc. seg. avg.	2.298	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012
amp/frq (%)	77.3	2.9	Inc. frq. avg.	3.261	Data rate(Mb/s): 7936	nlags: 64 t_cohere infinite	ion window (TEC)	0.00	0.00

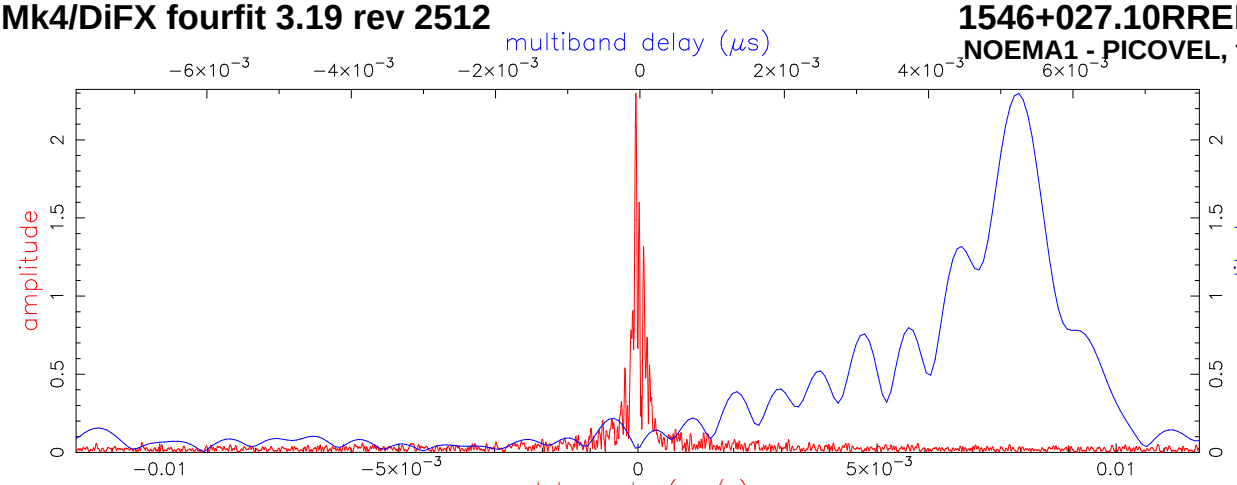
t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1136.544 901.059 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP..10RREB Output file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP.W.1.10RREB

Mk4/DiFX fourfit 3.19 rev 2512

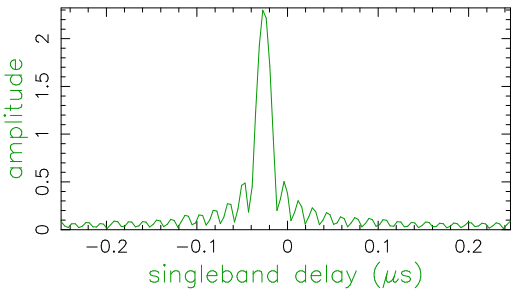
1546+027.10RREB, No0030, tP

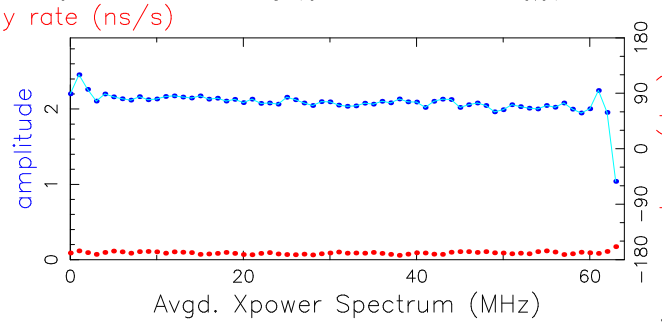
NOEMA1 - PICOVEL, fgroup W, pol RR



Fringe quality 1

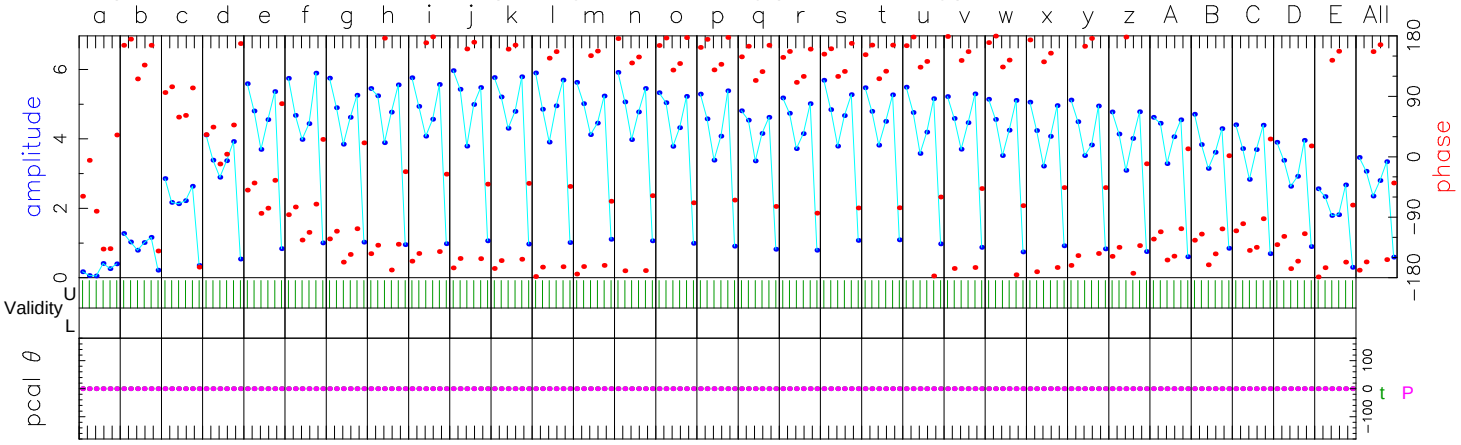
SNR 216.5
Int time 299.856
Amp 2.323
Phase -170.7
PFD 0.0e+00
Delays (us)
SBD -0.026081
MBD 0.005238
Fringe rate (Hz)
-0.004251
Ion TEC 0.000
Ref freq (MHz)
85100.0000
AP (sec) 0.500





Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:095406
2020:042:114258
2019:065:170717
RA & Dec (J2000)
15h49m29.436846s
+02°37'01.163319"

Amp. and Phase vs. time for each freq., 6 segs, 100 APs / seg (50.00 sec / seg.), time ticks 60 sec



	85100.00	85164.00	85228.00	85292.00	85356.00	85420.00	85484.00	85548.00	85612.00	85676.00	85740.00	85804.00	85868.00	85932.00	85996.00	86060.00	86124.00	86188.00	86252.00	86316.00	86380.00	86444.00	86508.00	86572.00	86636.00	86700.00	86764.00	86828.00	86892.00	86956.00	87020.00	Freq (MHz)	All
	-89.3	157.1	87.7	27.1	-52.9	-88.6	-124.8	-147.1	-158.5	-167.0	-169.6	179.3	-177.7	173.3	162.0	161.0	147.7	143.0	149.7	149.7	164.5	177.4	166.5	175.0	-161.7	-150.1	-125.3	-126.0	-111.4	-132.4	-178.7	Phase	-170.7
	0.1	0.8	1.9	2.7	3.7	3.8	3.7	3.8	3.8	3.9	4.0	3.9	3.8	3.8	3.6	3.5	3.3	3.5	3.7	3.6	3.5	3.5	3.5	3.3	3.4	3.2	3.2	3.0	2.9	2.5	1.7	Ampl.	3.2
	127.6	57.3	57.8	57.2	57.8	58.0	57.8	58.2	58.3	58.2	58.3	58.2	58.4	58.1	58.5	58.2	58.0	58.5	58.4	58.2	58.7	58.4	58.1	58.8	58.3	58.7	58.4	58.6	58.3	58.0	57.2	Sbd box	58.3
U/L	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	APs used	
t	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
t	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
t	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	W08UR	W09UR	W10UR	W11UR	W12UR	W13UR	W14UR	W15UR	W16UR	W17UR	W18UR	W19UR	W20UR	W21UR	W22UR	W23UR	W24UR	W25UR	W26UR	W27UR	W28UR	W29UR	W30UR	Chan ids	
																																Tracks	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	W08UR	W09UR	W10UR	W11UR	W12UR	W13UR	W14UR	W15UR	W16UR	W17UR	W18UR	W19UR	W20UR	W21UR	W22UR	W23UR	W24UR	W25UR	W26UR	W27UR	W28UR	W29UR	W30UR	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55156744289E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	5.23814E-03	+/-	1.3E-06
Sband delay (usec)	-1.55156751228E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	-2.60812E-02	+/-	4.0E-05
Phase delay (usec)	-1.55154143660E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-5.57183E-06	+/-	1.7E-08
Delay rate (us/s)	-1.98630986445E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-4.99567E-08	+/-	1.0E-10
Total phase (deg)	-91.8	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-170.7	+/-	0.5

	RMS	Theor.	Amplitude	2.323 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	56.9	0.6	Search (2048X128)	2.262	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250 0.250
amp/seg (%)	43.5	1.1	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008 0.008
ph/frq (deg)	55.0	1.5	Inc. seg. avg.	2.604	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012 0.012
amp/frq (%)	53.5	2.6	Inc. frq. avg.	3.179	Data rate(Mb/s): 7936	nlags: 64 t_cohere infinite	ion window (TEC)	0.00 0.00

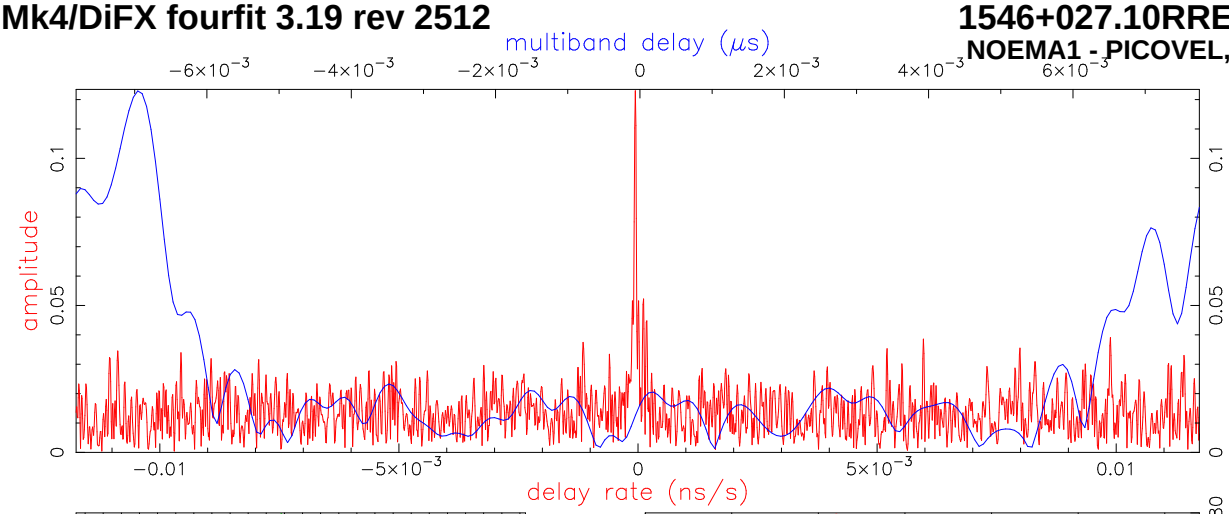
t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1136.544 901.059 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP..10RREB Output file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP.W.2.10RREB

Mk4/DiFX fourfit 3.19 rev 2512

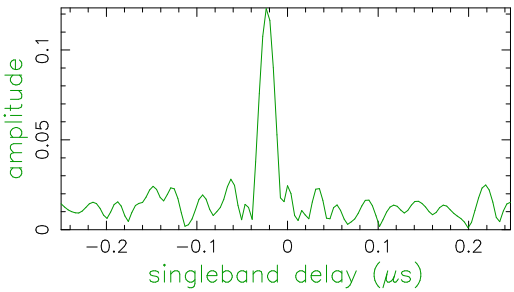
1546+027.10RREB, No0030, tP

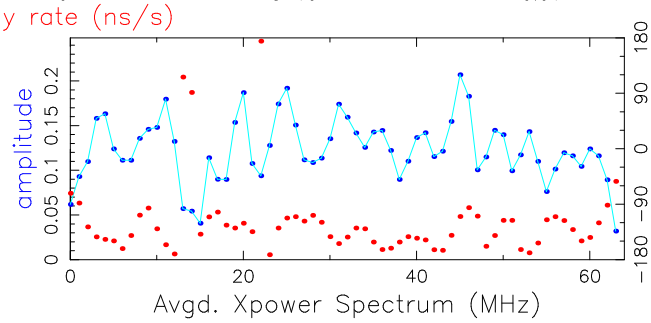
NOEMA1 - PICOVEL, fgroup W, pol LR



Fringe quality 9

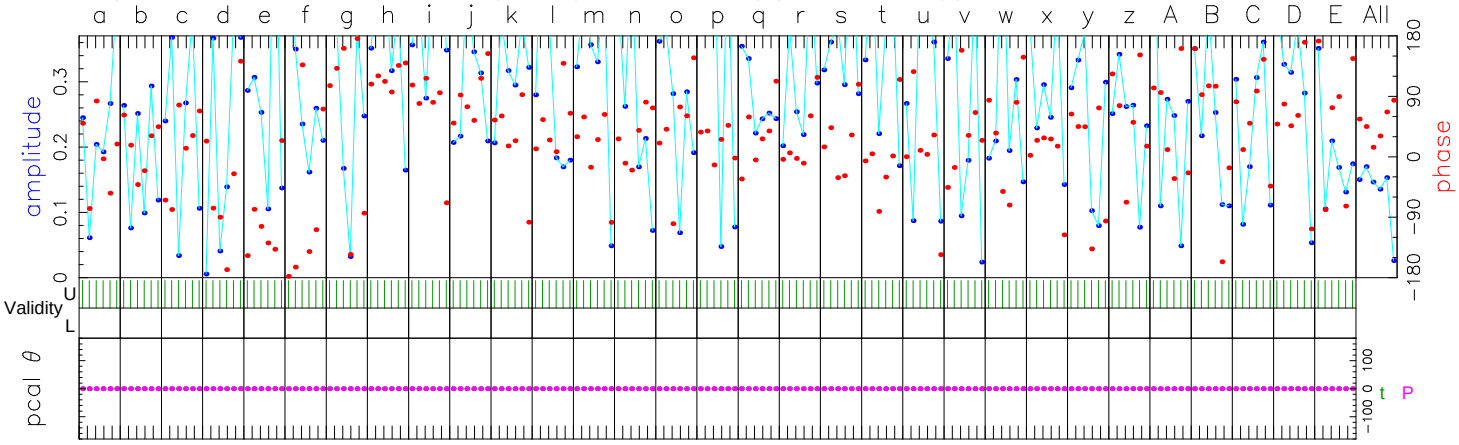
SNR 11.5
Int time 299.941
Amp 0.123
Phase 44.6
PFD 5.6e-22
Delays (us)
SBD -0.022625
MBD -0.006937
Fringe rate (Hz)
-0.004408
Ion TEC 0.000
Ref freq (MHz)
85100.0000
AP (sec) 0.500





Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:095406
2020:042:114301
2019:065:170717
RA & Dec (J2000)
15h49m29.436846s
+02°37'01.163319"

Amp. and Phase vs. time for each freq., 6 segs, 100 APs / seg (50.00 sec / seg.), time ticks 60 sec



	85100.00	85164.00	85228.00	85292.00	85356.00	85420.00	85484.00	85548.00	85612.00	85676.00	85740.00	85804.00	85868.00	85932.00	85996.00	86060.00	86124.00	86188.00	86252.00	86316.00	86380.00	86444.00	86508.00	86572.00	86636.00	86700.00	86764.00	86828.00	86892.00	86956.00	87020.00	Freq (MHz)	All
	14.3	19.7	-12.2	-85.9	-119.2	-175.3	152.7	117.5	90.0	85.1	43.8	42.3	34.9	15.9	42.0	25.3	29.3	29.9	19.7	-8.8	13.7	11.4	4.1	13.7	40.5	59.0	47.2	119.5	91.5	69.5	142.6	Phase	44.6
	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	Ampl.	0.2
	49.0	87.7	10.6	25.5	58.3	59.2	58.1	58.5	58.4	58.6	58.7	58.6	60.6	60.0	41.3	58.4	60.0	59.3	59.8	59.8	58.2	89.3	118.5	58.8	84.8	77.7	99.4	59.8	59.3	59.8	106.1	Sbd box	59.2
U/L	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	APs used	
t	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
t	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
t	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	W08UL	W09UL	W10UL	W11UL	W12UL	W13UL	W14UL	W15UL	W16UL	W17UL	W18UL	W19UL	W20UL	W21UL	W22UL	W23UL	W24UL	W25UL	W26UL	W27UL	W28UL	W29UL	W30UL	Chan ids	
																																Tracks	
P	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	W08UR	W09UR	W10UR	W11UR	W12UR	W13UR	W14UR	W15UR	W16UR	W17UR	W18UR	W19UR	W20UR	W21UR	W22UR	W23UR	W24UR	W25UR	W26UR	W27UR	W28UR	W29UR	W30UR	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55156399347E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	-6.93744E-03	+/-	2.4E-05
Sband delay (usec)	-1.55156405628E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	-2.26253E-02	+/-	7.5E-04
Phase delay (usec)	-1.55154142958E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	1.45492E-06	+/-	3.2E-07
Delay rate (us/s)	-1.98630988282E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-5.17942E-08	+/-	1.9E-09
Total phase (deg)	-236.5	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	44.6	+/-	10.0

	RMS	Theor.								
			Amplitude	0.123 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
ph/seg (deg)	23.5	12.2	Search (2048X128)	0.120	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250
amp/seg (%)	39.0	21.3	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008
ph/frq (deg)	63.6	27.7	Inc. seg. avg.	0.128	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012
amp/frq (%)	81.1	48.4	Inc. frq. avg.	0.175	Data rate(Mb/s): 7936	nlags: 64 t_cohere infinite	ion window (TEC)	0.00	0.00

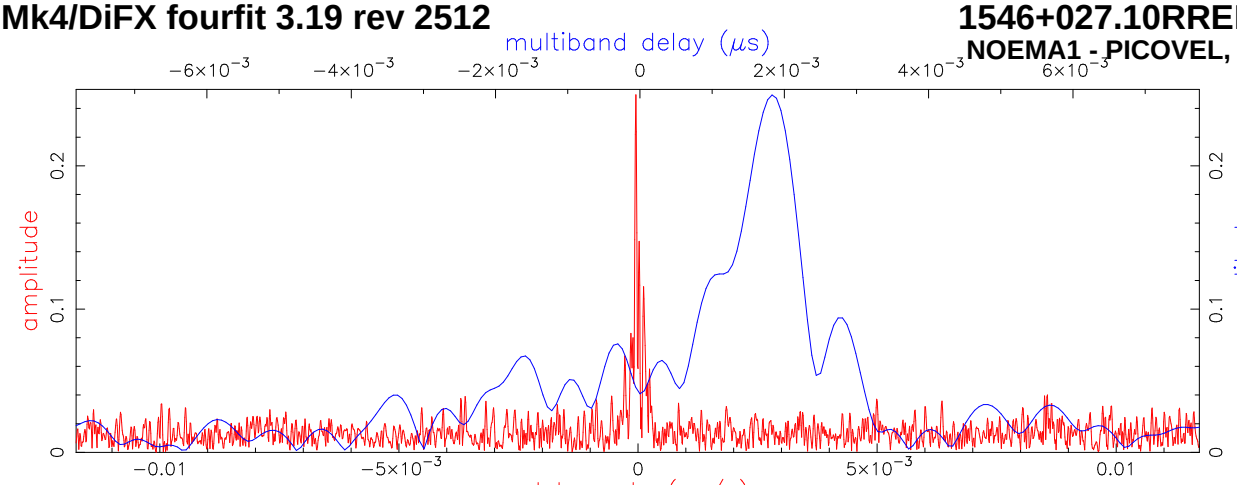
t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1136.544 901.059 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP..10RREB Output file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP.W.3.10RREB

Mk4/DiFX fourfit 3.19 rev 2512

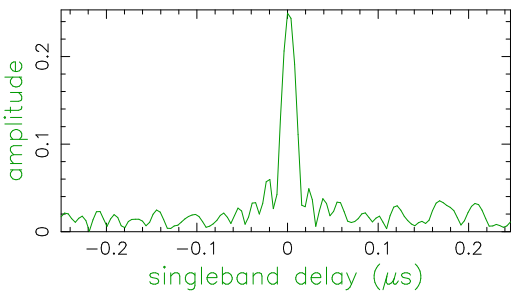
1546+027.10RREB, No0030, tP

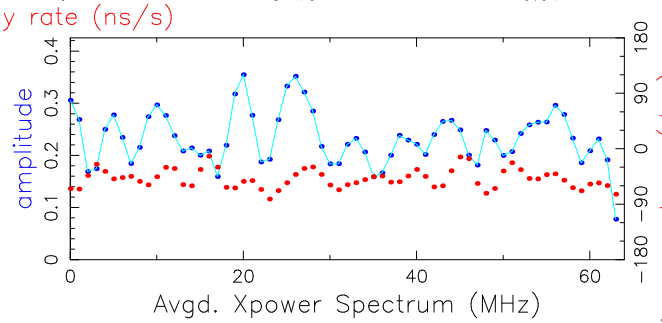
NOEMA1 - PICOVEL, fgroup W, pol RL



Fringe quality 7

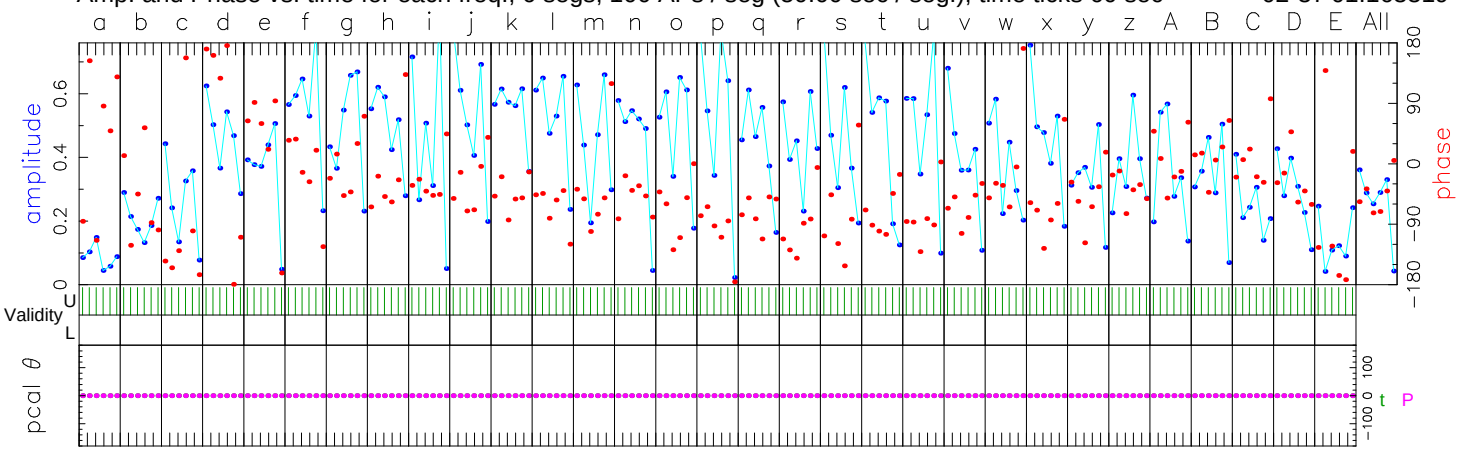
SNR 23.6
Int time 299.852
Amp 0.253
Phase -53.5
PFD 0.0e+00
Delays (us)
SBD 0.001501
MBD 0.001839
Fringe rate (Hz)
-0.004097
Ion TEC 0.000
Ref freq (MHz)
85100.0000
AP (sec) 0.500





Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:095406
2020:042:114305
2019:065:170717
RA & Dec (J2000)
15h49m29.436846s
+02°37'01.163319"

Amp. and Phase vs. time for each freq., 6 segs, 100 APs / seg (50.00 sec / seg.), time ticks 60 sec



85100.00	85164.00	85228.00	85292.00	85356.00	85420.00	85484.00	85548.00	85612.00	85676.00	85740.00	85804.00	85868.00	85932.00	85996.00	86060.00	86124.00	86188.00	86252.00	86316.00	86380.00	86444.00	86508.00	86572.00	86636.00	86700.00	86764.00	86828.00	86892.00	86956.00	87020.00	Freq (MHz)	All
-173.5	-60.1	-147.3	172.6	68.1	8.2	-9.0	-40.8	-37.8	-34.1	-46.2	-55.4	-55.5	-45.0	-69.3	-86.8	-73.1	-98.3	-103.8	-84.0	-89.7	-65.1	-42.3	-72.2	-52.9	-36.4	-8.7	5.1	0.6	-20.0	-131.8	Phase	-53.5
0.0	0.1	0.2	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	Ampl.	0.3
121.1	93.5	65.6	64.5	64.4	65.0	64.7	66.0	65.9	65.1	65.6	65.2	65.6	65.0	65.7	65.0	65.0	64.0	66.1	65.1	65.3	65.6	65.3	66.2	66.0	65.8	66.5	66.3	82.2	65.0	36.3	Sbd box	65.4
U/L	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	600/0	APs used	
t	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PC freqs	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
t:P	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
t	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
P	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
t	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	W08UR	W09UR	W10UR	W11UR	W12UR	W13UR	W14UR	W15UR	W16UR	W17UR	W18UR	W19UR	W20UR	W21UR	W22UR	W23UR	W24UR	W25UR	W26UR	W27UR	W28UR	W29UR	W30UR	Chan ids	
																																Tracks	
P	W00UL	W01UL	W02UL	W03UL	W04UL	W05UL	W06UL	W07UL	W08UL	W09UL	W10UL	W11UL	W12UL	W13UL	W14UL	W15UL	W16UL	W17UL	W18UL	W19UL	W20UL	W21UL	W22UL	W23UL	W24UL	W25UL	W26UL	W27UL	W28UL	W29UL	W30UL	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55153959181E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	1.83922E-03	+/-	1.2E-05
Sband delay (usec)	-1.55153993003E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	1.50100E-03	+/-	3.6E-04
Phase delay (usec)	-1.55154143278E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-1.74675E-06	+/-	1.6E-07
Delay rate (us/s)	-1.98630984629E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-4.81412E-08	+/-	9.1E-10
Total phase (deg)	-334.6	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-53.5	+/-	4.9

	RMS	Theor.							
			Amplitude	0.253 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	27.6	5.9	Search (2048X128)	0.248	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250
amp/seg (%)	40.8	10.4	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008
ph/frq (deg)	55.0	13.5	Inc. seg. avg.	0.260	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012
amp/frq (%)	58.1	23.6	Inc. frq. avg.	0.329	Data rate(Mb/s): 7936	nlags: 64 t_cohere infinite	ion window (TEC)	0.00	0.00

t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1136.544 901.059 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP..10RREB Output file: /Exps/tjan24/FRINGE_32MHz/2002/No0030/tP.W.4.10RREB