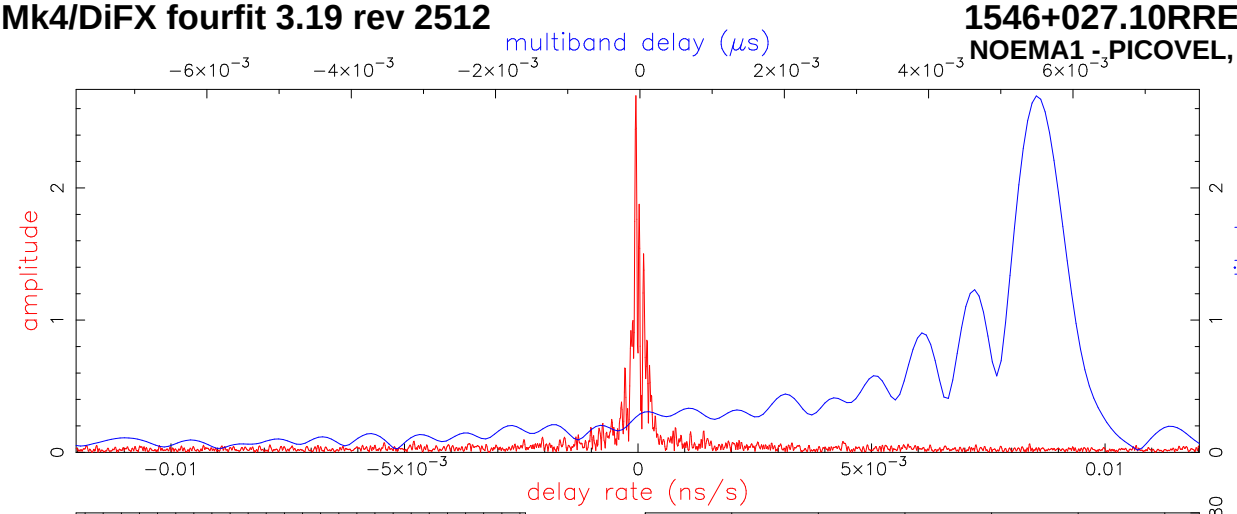
Mk4/DiFX fourfit 3.19 rev 2512

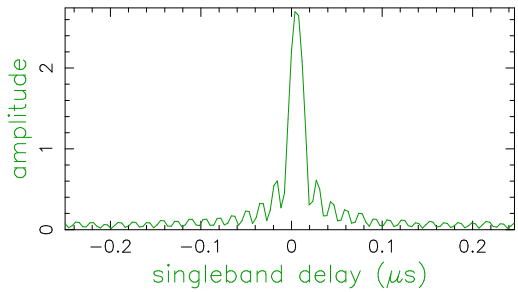
1546+027.10RRE9, No0030, tP

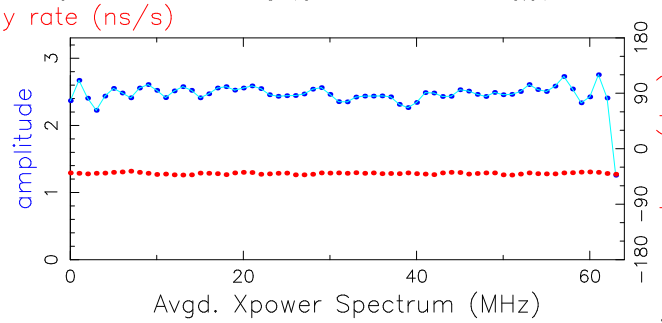
NOEMA1 - PICOVEL, fgroup W, pol LL



Fringe quality 1

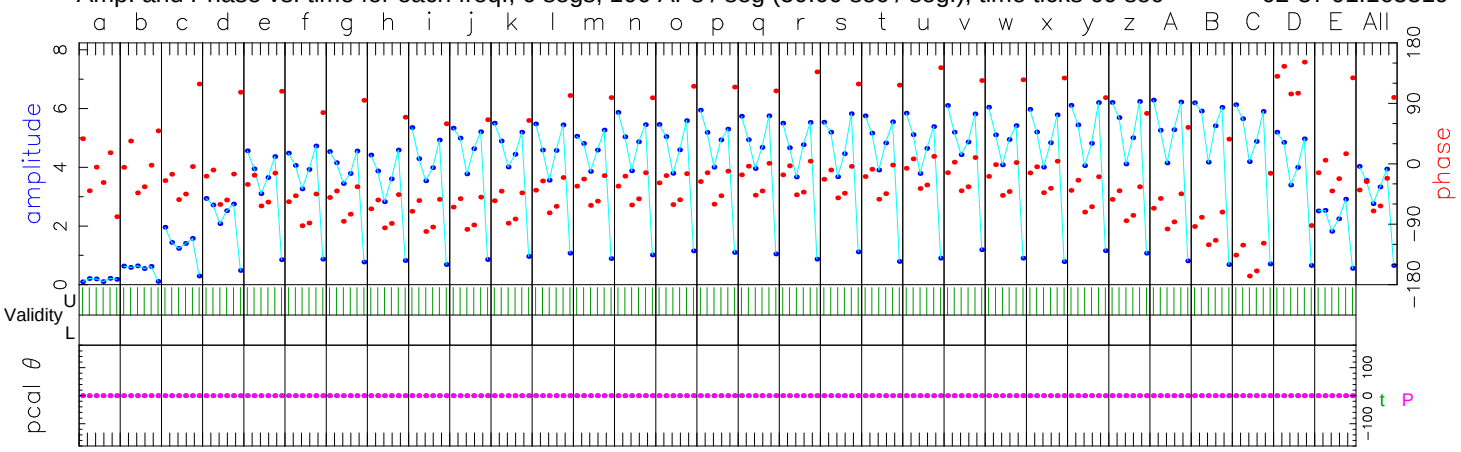
SNR 256.0
Int time 299.983
Amp 2.745
Phase -40.4
PFD 0.0e+00
Delays (us)
SBD 0.005527
MBD 0.005508
Fringe rate (Hz)
-0.004345
Ion TEC 0.000
Ref freq (MHz)
83116.0000
AP (sec) 0.500





Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:093102
2020:042:114212
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



	83116.00	83180.00	83244.00	83308.00	83372.00	83436.00	83500.00	83564.00	83628.00	83692.00	83756.00	83820.00	83884.00	83948.00	84012.00	84076.00	84140.00	84204.00	84268.00	84332.00	84396.00	84460.00	84524.00	84588.00	84652.00	84716.00	84780.00	84844.00	84908.00	84972.00	85036.00	Freq (MHz)	All
	-18.5	-8.7	-25.7	-27.5	-32.4	-61.9	-53.8	-65.6	-71.1	-67.2	-58.0	-40.2	-34.9	-32.0	-31.0	-28.2	-17.1	-17.7	-21.6	-21.7	-8.0	-11.6	-18.4	-15.4	-39.2	-53.1	-65.4	-92.6	-136.4	130.9	-6.2	Phase	-40.4
	0.1	0.5	1.2	2.0	3.0	3.1	3.1	3.0	3.4	3.7	3.7	3.6	3.6	3.9	3.7	3.9	3.9	3.7	3.8	3.9	3.8	4.0	3.9	4.0	4.0	4.2	4.2	4.3	4.2	3.4	1.8	Ampl.	3.3
	62.0	66.0	66.3	66.4	66.4	66.1	66.6	66.4	66.3	66.6	66.5	66.7	66.4	66.3	66.5	66.3	66.6	66.4	66.4	66.4	66.7	66.2	66.3	66.4	66.3	66.1	66.2	66.0	65.8	65.0	64.4	Sbd box	66.4
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	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	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	W31UL	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55153592278E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	5.50825E-03	+/-	1.1E-06
Sband delay (usec)	-1.55153590428E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	5.52675E-03	+/-	3.4E-05
Phase delay (usec)	-1.55154143238E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-1.34896E-06	+/-	1.5E-08
Delay rate (us/s)	-1.98630988761E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-5.22733E-08	+/-	8.6E-11
Total phase (deg)	-249.7	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-40.4	+/-	0.4

	RMS	Theor.								
			Amplitude	2.745 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
ph/seg (deg)	59.6	0.5	Search (2048X128)	2.634	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250	
amp/seg (%)	43.2	1.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008	
ph/frq (deg)	43.0	1.2	Inc. seg. avg.	3.045	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012	
amp/frq (%)	43.5	2.2	Inc. frq. avg.	3.299	Data rate(Mb/s): 7936	nlags: 64	t_cohere infinite	ion window (TEC)	0.00	0.00

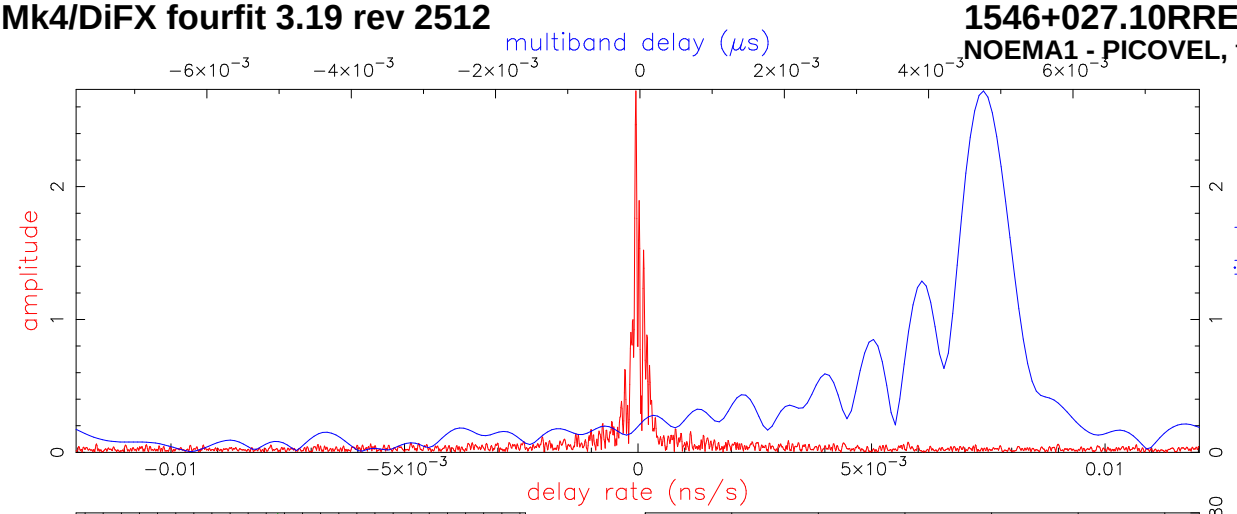
t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1110.046 880.052 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP..10RRE9 Output file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP.W.1.10RRE9

Mk4/DiFX fourfit 3.19 rev 2512

1546+027.10RRE9, No0030, tP

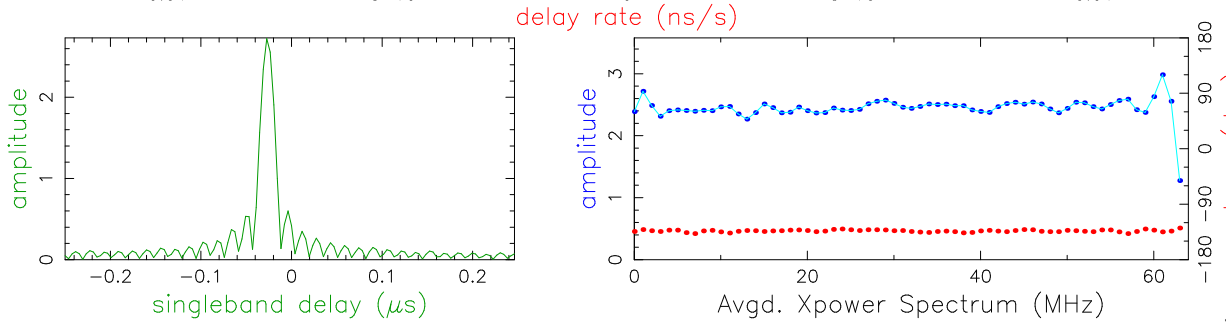
NOEMA1 - PICOVEL, fgroup W, pol RR



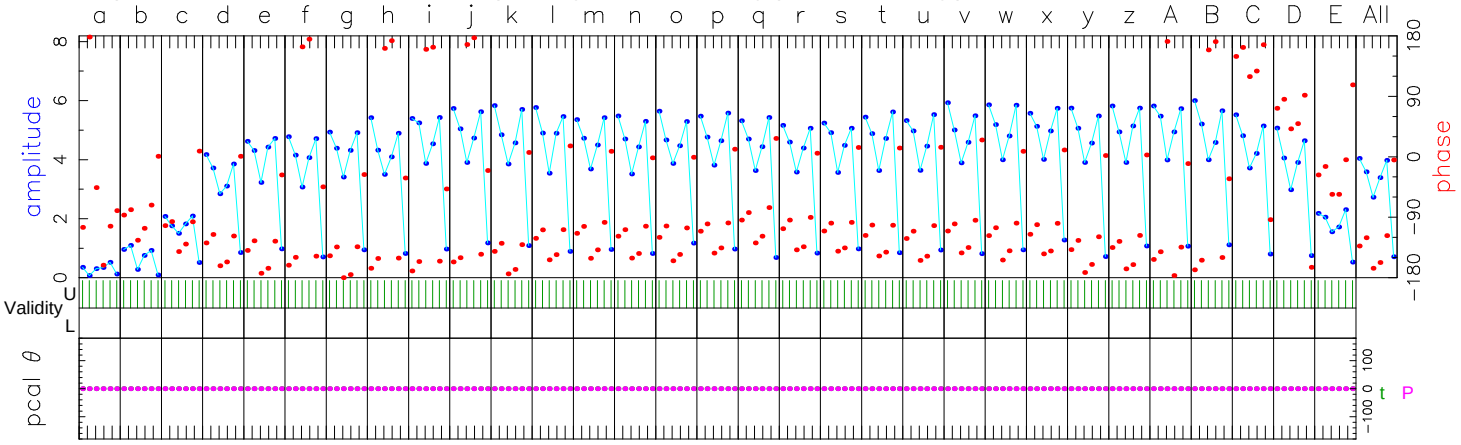
Fringe quality 1

SNR 254.7
Int time 299.980
Amp 2.732
Phase -134.5
PFD 0.0e+00
Delays (us)
SBD -0.026566
MBD 0.004757
Fringe rate (Hz)
-0.004317
Ion TEC 0.000
Ref freq (MHz)
83116.0000
AP (sec) 0.500

Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:093102
2020:042:114215
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



	83116.00	83180.00	83244.00	83308.00	83372.00	83436.00	83500.00	83564.00	83628.00	83692.00	83756.00	83820.00	83884.00	83948.00	84012.00	84076.00	84140.00	84204.00	84268.00	84332.00	84396.00	84460.00	84524.00	84588.00	84652.00	84716.00	84780.00	84844.00	84908.00	84972.00	85036.00	Freq (MHz)	All
	-106.1	-85.9	-108.5	-131.3	-141.4	-163.8	-149.8	-167.1	-171.4	-161.3	-144.8	-123.8	-116.3	-120.5	-121.1	-113.6	-95.7	-108.6	-112.4	-118.1	-123.0	-112.9	-118.6	-115.7	-139.2	-137.4	-154.7	-168.0	149.2	72.3	-26.2	Phase	-134.5
	0.2	0.6	1.4	2.7	3.3	3.2	3.4	3.4	3.8	3.8	3.8	3.8	3.6	3.6	3.6	3.8	3.6	3.5	3.6	3.7	3.6	3.8	3.9	3.9	3.8	3.9	3.9	3.9	3.6	3.2	1.5	Ampl.	3.3
	58.4	58.0	58.1	58.0	58.2	58.0	58.7	57.7	58.5	58.2	58.5	58.3	58.1	58.2	58.2	58.4	58.2	58.1	58.3	58.2	58.3	58.1	58.2	58.1	57.9	58.2	58.0	58.0	57.6	57.2	55.6	Sbd box	58.2
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	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	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	W31UR	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55156792439E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	4.75664E-03	+/-	1.1E-06
Sband delay (usec)	-1.55156799728E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	-2.65663E-02	+/-	3.4E-05
Phase delay (usec)	-1.55154143553E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-4.49488E-06	+/-	1.5E-08
Delay rate (us/s)	-1.98630988425E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-5.19372E-08	+/-	8.7E-11
Total phase (deg)	-343.9	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-134.5	+/-	0.4

	RMS	Theor.							
			Amplitude	2.732 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	56.1	0.6	Search (2048X128)	2.666	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250
amp/seg (%)	43.6	1.0	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008
ph/frq (deg)	44.0	1.3	Inc. seg. avg.	3.073	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012
amp/frq (%)	40.3	2.2	Inc. frq. avg.	3.279	Data rate(Mb/s): 7936	nlags: 64 t_cohere infinite	ion window (TEC)	0.00	0.00

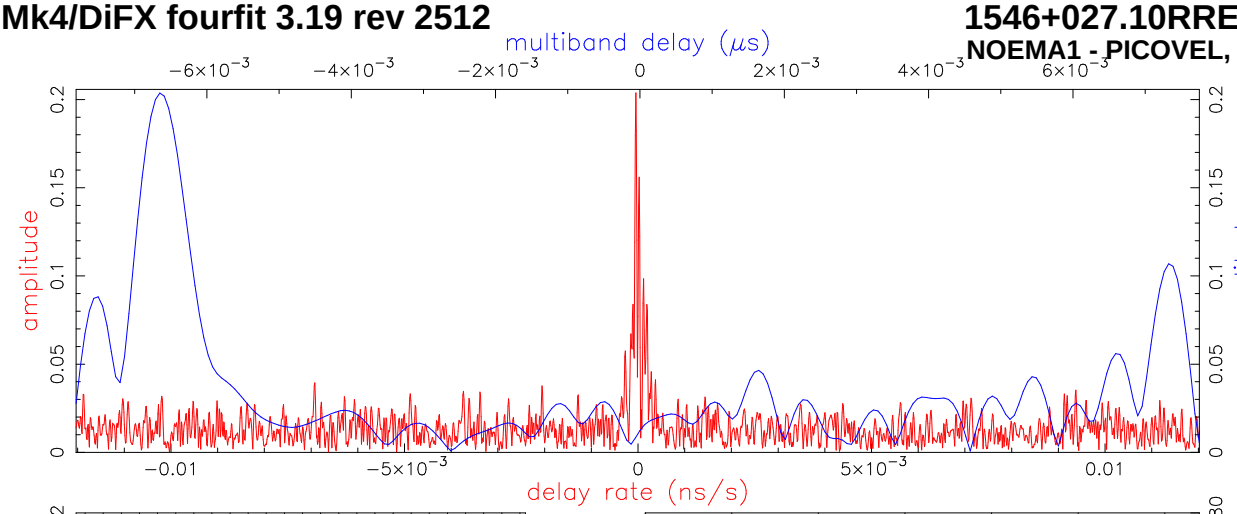
t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1110.046 880.052 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP..10RRE9 Output file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP.W.2.10RRE9

Mk4/DiFX fourfit 3.19 rev 2512

1546+027.10RRE9, No0030, tP

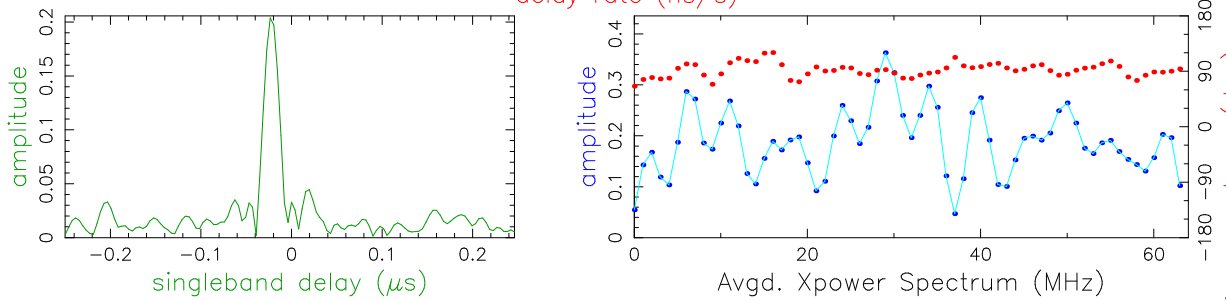
NOEMA1 - PICOVEL, fgroup W, pol LR



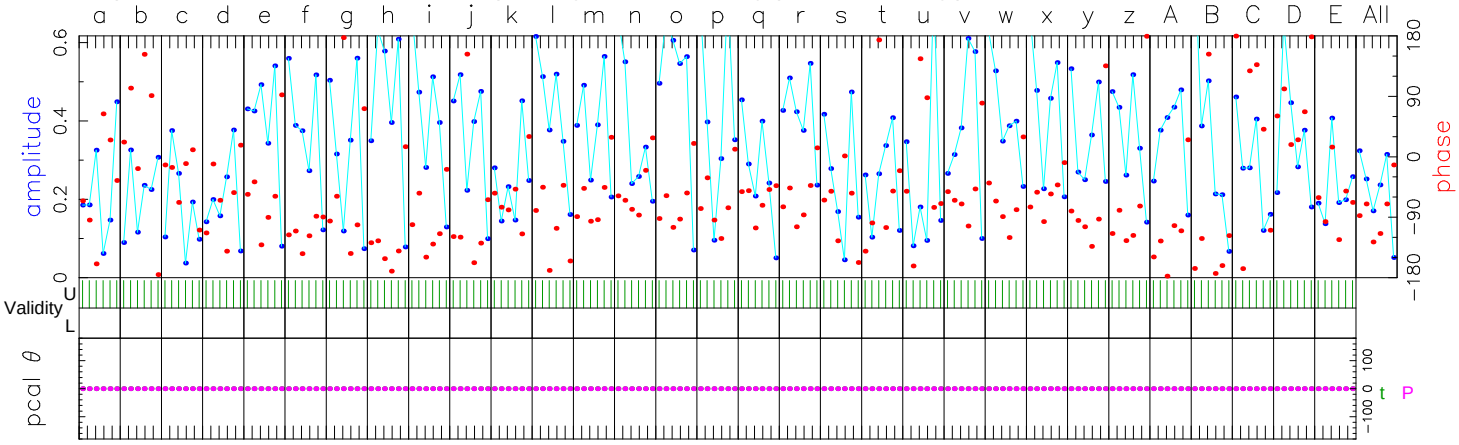
Fringe quality 7

SNR 19.2
Int time 299.983
Amp 0.206
Phase -87.3
PFD 0.0e+00
Delays (us)
SBD -0.022179
MBD -0.006639
Fringe rate (Hz)
-0.004120
Ion TEC 0.000
Ref freq (MHz)
83116.0000
AP (sec) 0.500

Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:093102
2020:042:114219
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



	83116.00	83180.00	83244.00	83308.00	83372.00	83436.00	83500.00	83564.00	83628.00	83692.00	83756.00	83820.00	83884.00	83948.00	84012.00	84076.00	84140.00	84204.00	84268.00	84332.00	84396.00	84460.00	84524.00	84588.00	84652.00	84716.00	84780.00	84844.00	84908.00	84972.00	85036.00	Freq (MHz)	All
	-64.8	122.2	-29.9	-68.4	-72.7	-112.0	-104.5	-141.1	-103.2	-133.5	-69.6	-88.1	-62.8	-54.2	-78.1	-65.6	-62.1	-61.6	-69.6	-102.3	-76.3	-68.6	-66.6	-57.1	-105.2	-106.5	-127.1	-166.7	162.7	66.5	-52.0	Phase	-87.3
	0.1	0.1	0.1	0.1	0.3	0.4	0.2	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	Ampl.	0.3
	64.6	50.3	99.9	57.0	59.1	59.1	59.1	58.6	59.6	59.9	60.3	60.1	59.0	59.4	59.4	59.7	58.6	59.1	59.3	95.3	116.3	59.3	58.3	59.5	59.3	59.3	57.8	59.5	36.2	58.5	115.6	Sbd box	59.3
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	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	W31UR	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55156369514E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	-6.63911E-03	+/-	1.4E-05
Sband delay (usec)	-1.55156360953E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	-2.21785E-02	+/-	4.5E-04
Phase delay (usec)	-1.55154143395E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-2.91744E-06	+/-	2.0E-07
Delay rate (us/s)	-1.98630986058E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-4.95700E-08	+/-	1.2E-09
Total phase (deg)	-296.7	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-87.3	+/-	6.0

	RMS	Theor.								
			Amplitude	0.206 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5				
ph/seg (deg)	37.6	7.3	Search (2048X128)	0.201	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250
amp/seg (%)	46.1	12.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008
ph/frq (deg)	54.1	16.6	Inc. seg. avg.	0.223	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012
amp/frq (%)	53.6	29.0	Inc. frq. avg.	0.260	Data rate(Mb/s): 7936	nlags: 64 t_cohere infinite	ion window (TEC)	0.00	0.00

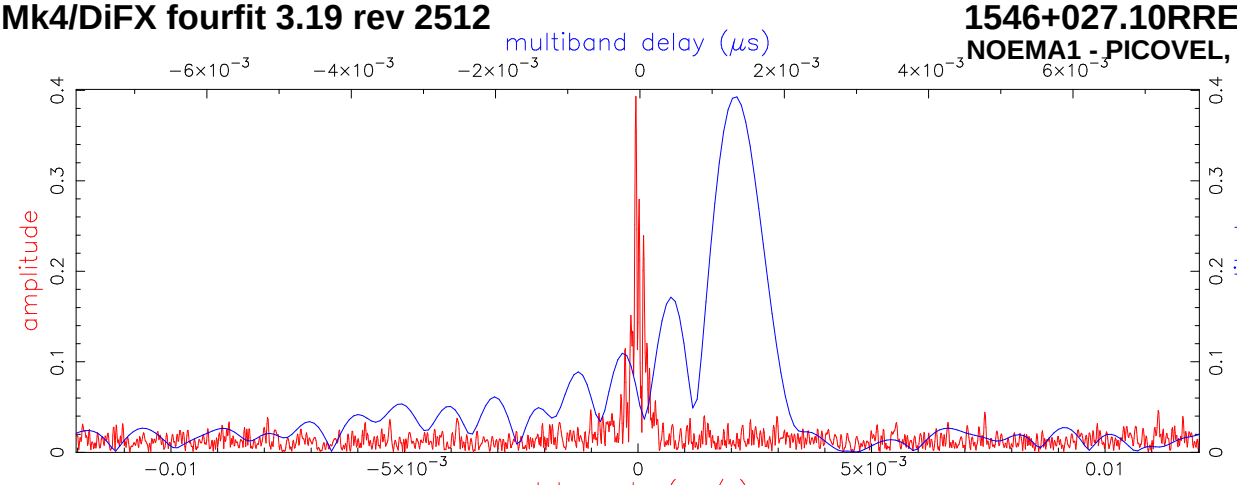
t: az 179.8 el 47.9 pa -0.1 P: az 163.7 el 54.4 pa -12.3 u,v (fr/asec) 1110.046 880.052 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP..10RRE9 Output file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP.W.3.10RRE9

Mk4/DiFX fourfit 3.19 rev 2512

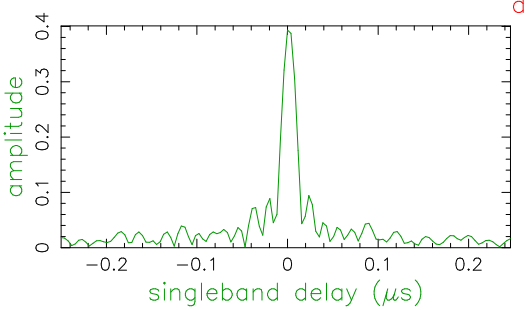
1546+027.10RRE9, No0030, tP

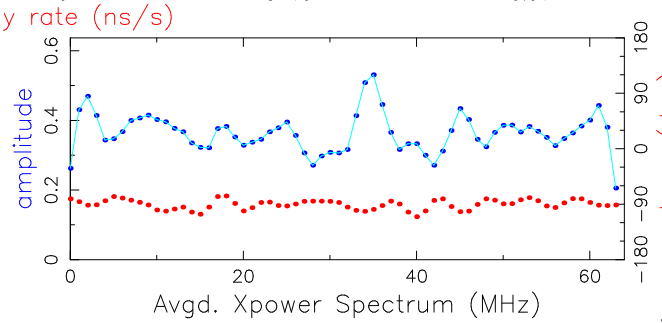
NOEMA1 - PICOVEL, fgroup W, pol RL



Fringe quality 4

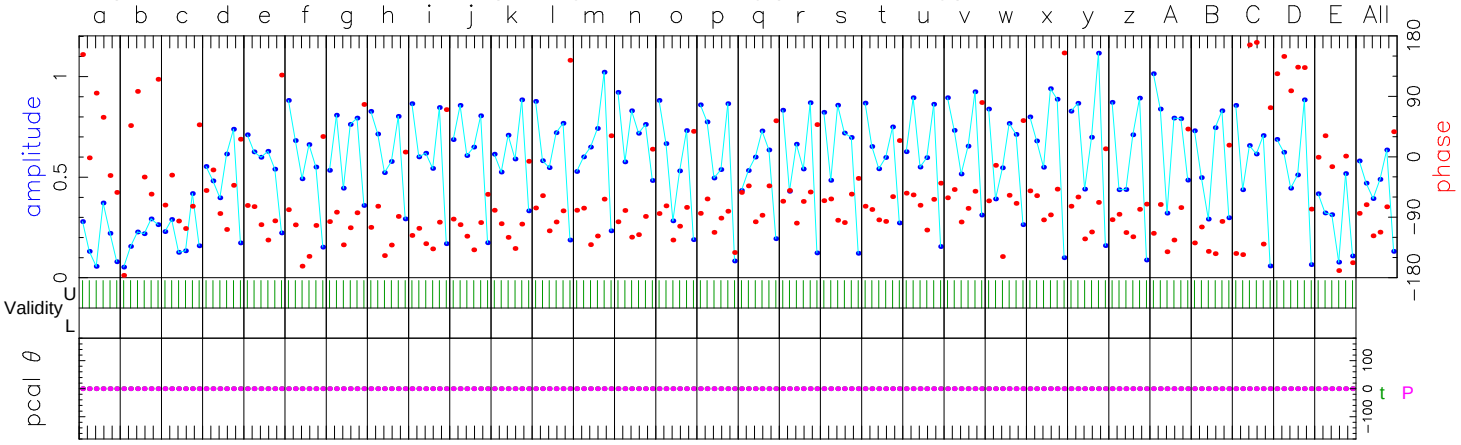
SNR 37.4
Int time 299.980
Amp 0.401
Phase -87.2
PFD 0.0e+00
Delays (us)
SBD 0.001668
MBD 0.001324
Fringe rate (Hz)
-0.004237
Ion TEC 0.000
Ref freq (MHz)
83116.0000
AP (sec) 0.500





Exp. tjan24
Exper # 16383
Yr:day 2020:024
Start 071500.00
Stop 072000.00
FRT 071730.00
Corr/FF/build
2020:042:093102
2020:042:114223
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



83116.00	83180.00	83244.00	83308.00	83372.00	83436.00	83500.00	83564.00	83628.00	83692.00	83756.00	83820.00	83884.00	83948.00	84012.00	84076.00	84140.00	84204.00	84268.00	84332.00	84396.00	84460.00	84524.00	84588.00	84652.00	84716.00	84780.00	84844.00	84908.00	84972.00	85036.00	Freq (MHz)	All
46.7	39.8	-60.4	-55.7	-95.1	-111.4	-95.7	-100.0	-116.0	-106.0	-100.8	-86.1	-87.6	-93.9	-83.3	-84.8	-62.7	-64.7	-75.1	-73.9	-67.4	-60.6	-64.1	-67.1	-78.1	-95.6	-95.0	-116.5	-160.3	129.9	1.5	Phase	-87.2
0.1	0.1	0.2	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.4	0.5	0.6	0.5	0.6	0.6	0.4	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.2	Ampl.	0.5
16.9	58.4	65.5	64.5	65.8	65.0	65.8	65.5	65.4	65.5	65.5	65.9	65.4	65.0	65.2	65.4	65.7	65.5	65.4	65.6	65.4	65.2	65.7	65.7	65.3	65.7	65.3	64.9	64.5	64.5	62.7	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	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	W31UL	Chan ids	
																																Tracks	

Group delay (usec)(sbd)	-1.55154010733E+03	Apriori delay (usec)	-1.55154143103E+03	Resid mbdelay (usec)	1.32370E-03	+/-	7.4E-06
Sband delay (usec)	-1.55153976328E+03	Apriori clock (usec)	-1.6281767E+00	Resid sbdelay (usec)	1.66775E-03	+/-	2.3E-04
Phase delay (usec)	-1.55154143394E+03	Apriori clockrate (us/s)	-3.7999999E-08	Resid phdelay (usec)	-2.91270E-06	+/-	1.0E-07
Delay rate (us/s)	-1.98630987460E-01	Apriori rate (us/s)	-1.98630936488E-01	Resid rate (us/s)	-5.09717E-08	+/-	5.9E-10
Total phase (deg)	-296.5	Apriori accel (us/s/s)	8.74425184469E-06	Resid phase (deg)	-87.2	+/-	3.1

	RMS	Theor.							
			Amplitude	0.401 +/- 0.011	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5			
ph/seg (deg)	54.0	3.8	Search (2048X128)	0.387	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-0.250	0.250
amp/seg (%)	42.3	6.6	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: disabled	mb window (us)	-0.008	0.008
ph/frq (deg)	51.3	8.5	Inc. seg. avg.	0.449	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.012	0.012
amp/frq (%)	39.0	14.9	Inc. frq. avg.	0.462	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) 1110.046 880.052 simultaneous interpolator

Control file: cf_1234 Input file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP..10RRE9 Output file: /Exps/tjan24/FRINGE_32MHz/2001/No0030/tP.W.4.10RRE9