

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7874 - L2 Version 3
Chandra X-Ray Center

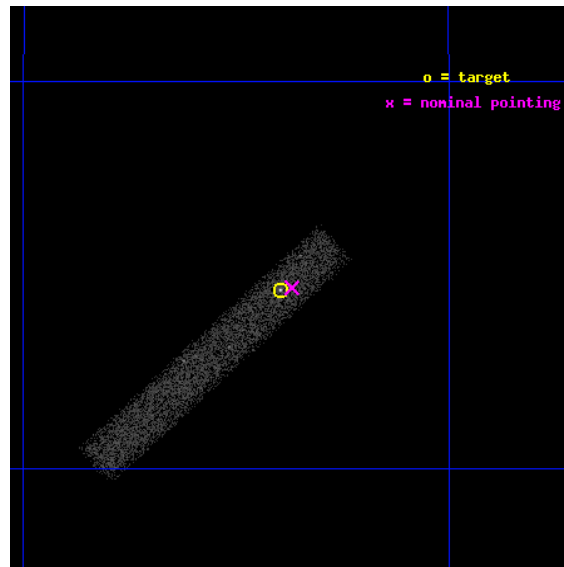
L2 Processing Date : Apr 22 2012

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1 Front

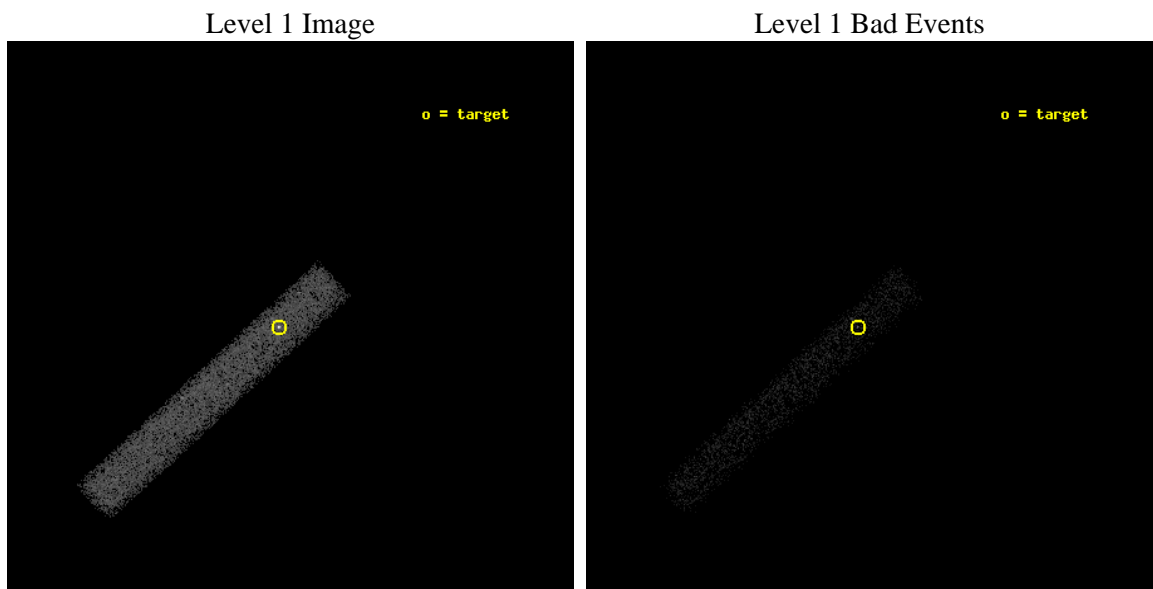
seq_num	701538	Sequence number
obs_id	7874	Observation id
title	Chandra Imaging of the Highest Redshift Relativistic Jets	Proposal
observer	Dr. C.C. Teddy Cheung	Principal investigator
object	1428+4217	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.59875	Observer's specified target RA [deg]
dec_targ	42.076806	Observer's specified target Dec [deg]
ra_nom	217.59230106432	Nominal RA [deg]
dec_nom	42.077781714158	Nominal Dec [deg]
roll_nom	137.41283833519	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11649.199305654	Sum of GTIs [s]
livetime	10565.208875071	Livetime [s]
ontime7	11649.199305654	Sum of GTIs [s]
l2events	12104	Number of level 2 events



2 OBI

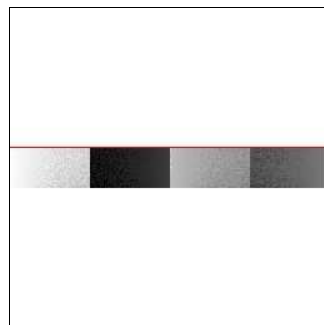
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11485.976000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	11649.199305654	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	11649.199305654	Sum of GTIs [s]
date	2012-04-22T04:39:13	Date and time of file creation	l1events	25001	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

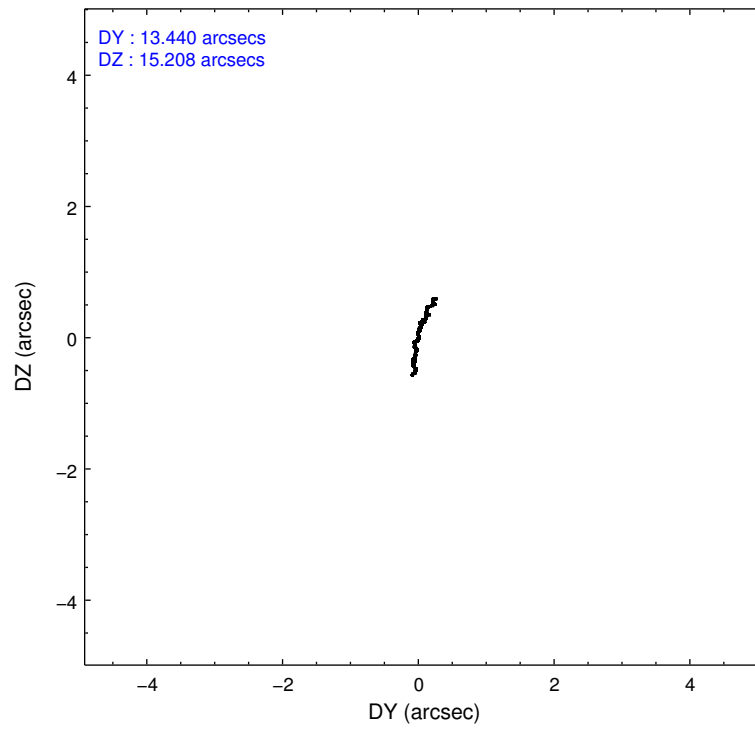
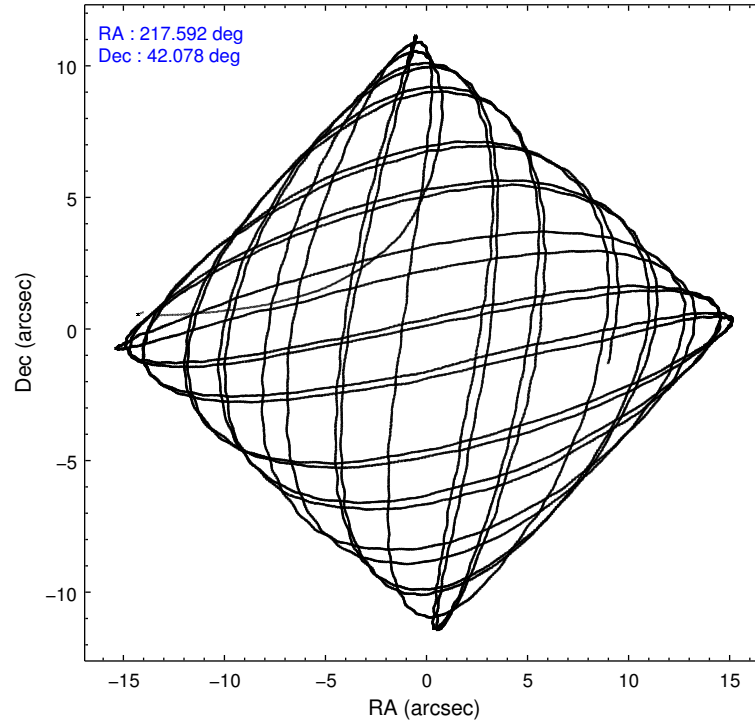
	ccd 7
level 1 events	25001
rejected events	12543
rejected %	50%

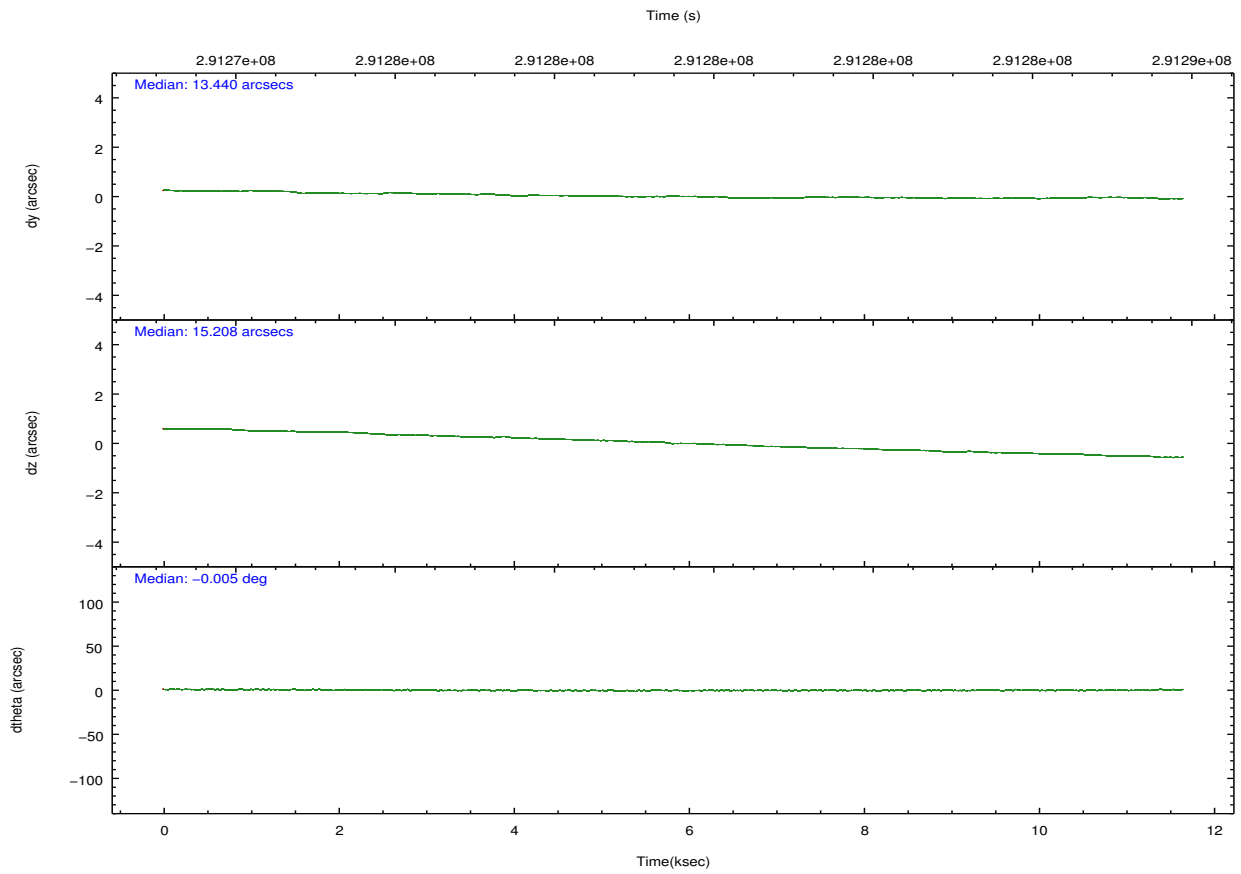
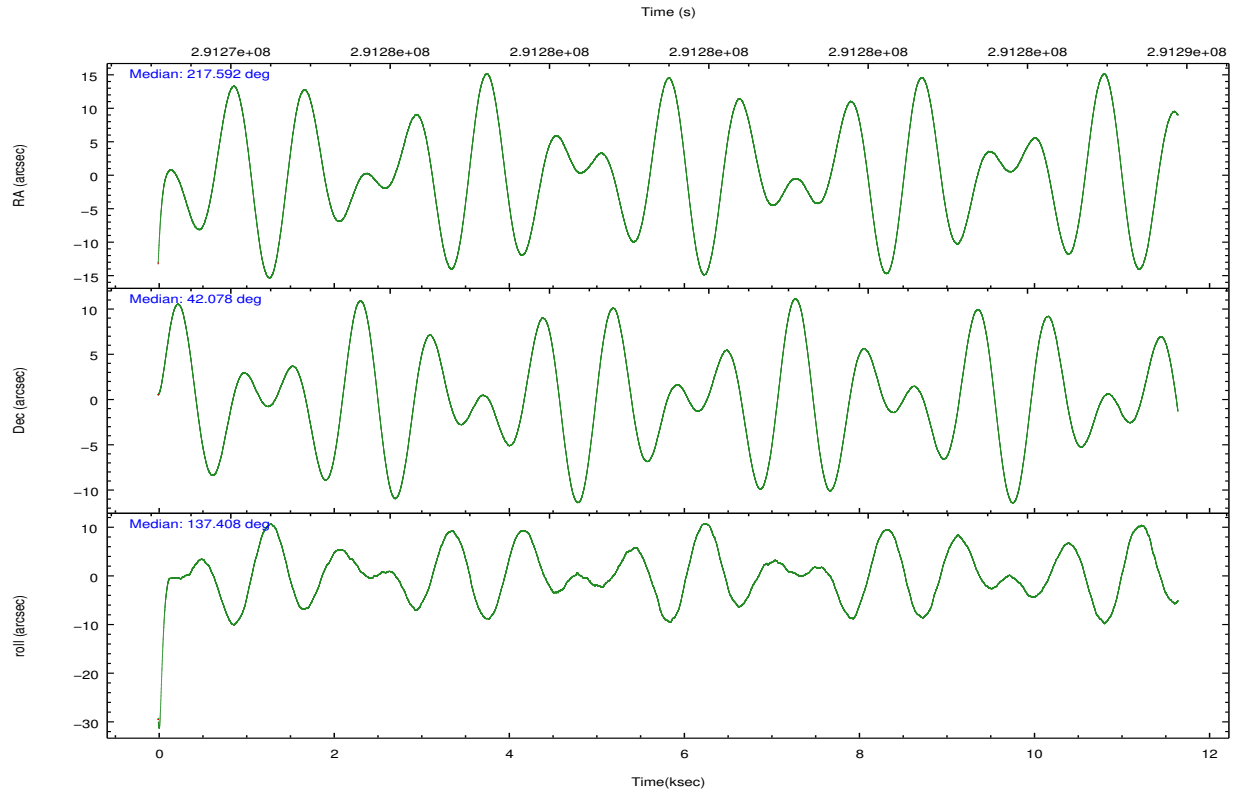
	ccd 7
grade 0 events	1838
	7%
grade 1 events	40
	0%
grade 2 events	2712
	10%
grade 3 events	1566
	6%
grade 4 events	1575
	6%
grade 5 events	2012
	8%
grade 6 events	5542
	22%
grade 7 events	9716
	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	217.628387	217.592301064318	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	42.072125	42.07778171415811	Subarray start row	449	449
[deg] Pointing Roll	137.232074	137.4128383351917	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	291273817.184000	291272743.78806			
Observation start date	2007-03-26T05:22:32	2007-03-26T05:05:43			
[s] Observation end time (MET)	291285303.184000	291285527.58867			
Observation end date	2007-03-26T08:33:58	2007-03-26T08:38:47			
Read mode	TIMED	TIMED			

2.3 Aspect



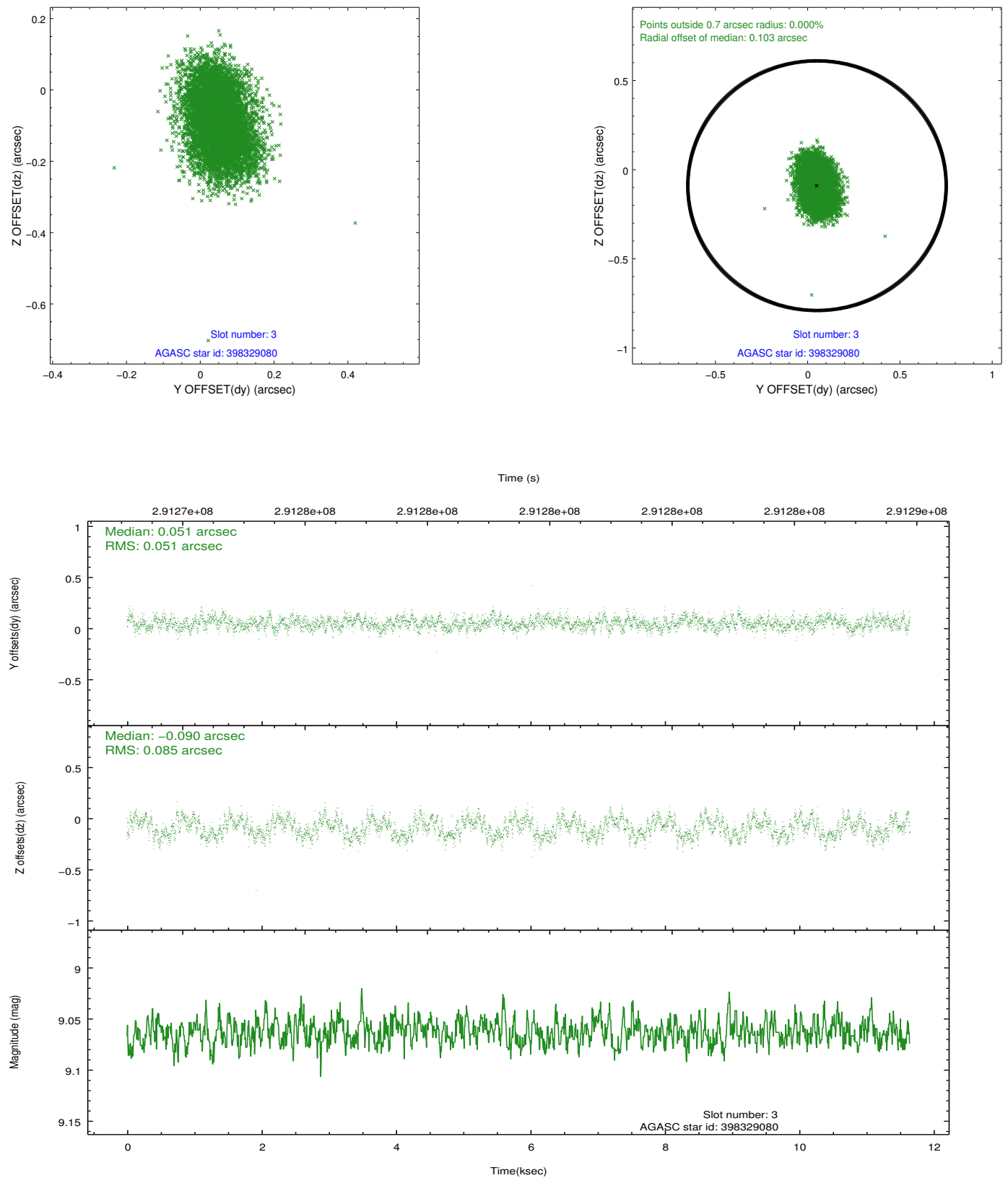


Slot Statistics

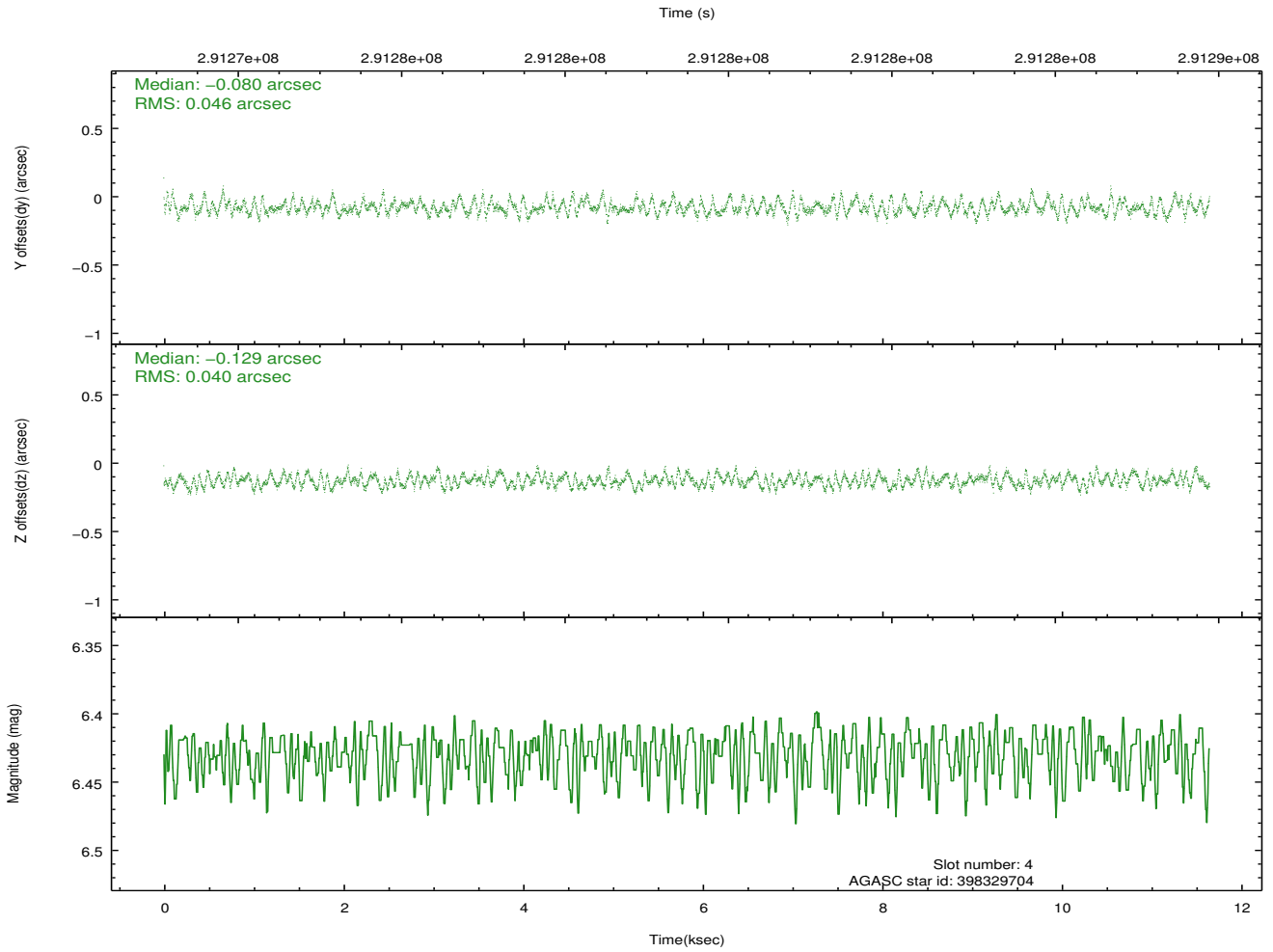
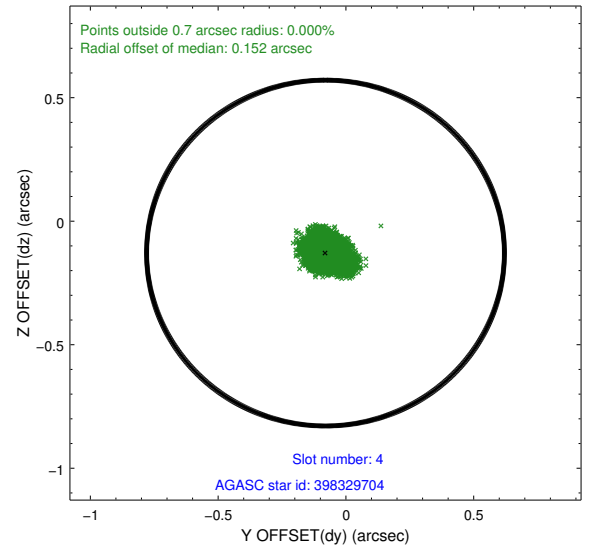
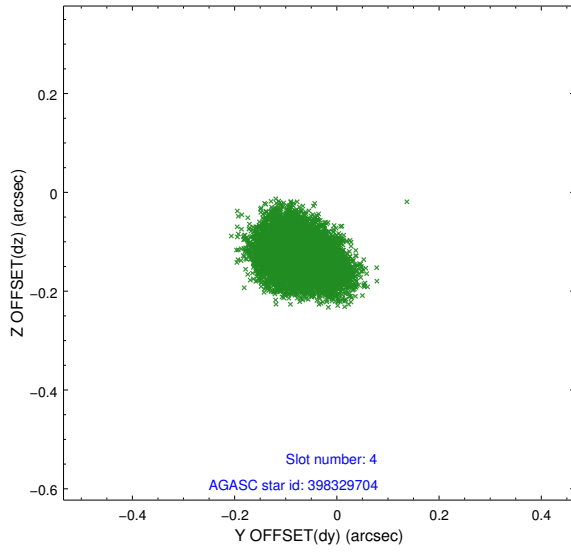
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2842	-0.057	-0.036	0.009	0.014	0.000000	0.000000	-766.43	-1736.61
1	FID	ACIS-S-4	7.19	2842	0.198	0.038	0.008	0.016	0.000000	0.000000	2146.87	171.54
2	FID	ACIS-S-5	7.22	2842	-0.172	0.007	0.009	0.014	0.000000	0.000000	-1818.86	165.62
3	GUIDE	398329080	9.06	5678	0.051	-0.090	0.107	0.167	216.904044	41.848754	885.52	1903.51
4	GUIDE	398329704	6.43	5684	-0.080	-0.129	0.066	0.102	217.403368	41.795912	-233.12	1140.33
5	GUIDE	398334088	8.93	5680	0.092	0.123	0.084	0.133	218.313166	42.183700	-1062.96	-1540.12
6	GUIDE	398723464	9.05	5679	0.058	0.116	0.084	0.134	217.255519	42.514001	1807.96	-496.68
7	GUIDE	398725424	8.77	5680	-0.128	-0.024	0.067	0.107	217.673023	42.542871	1064.20	-1324.27

2.4 Star Slots

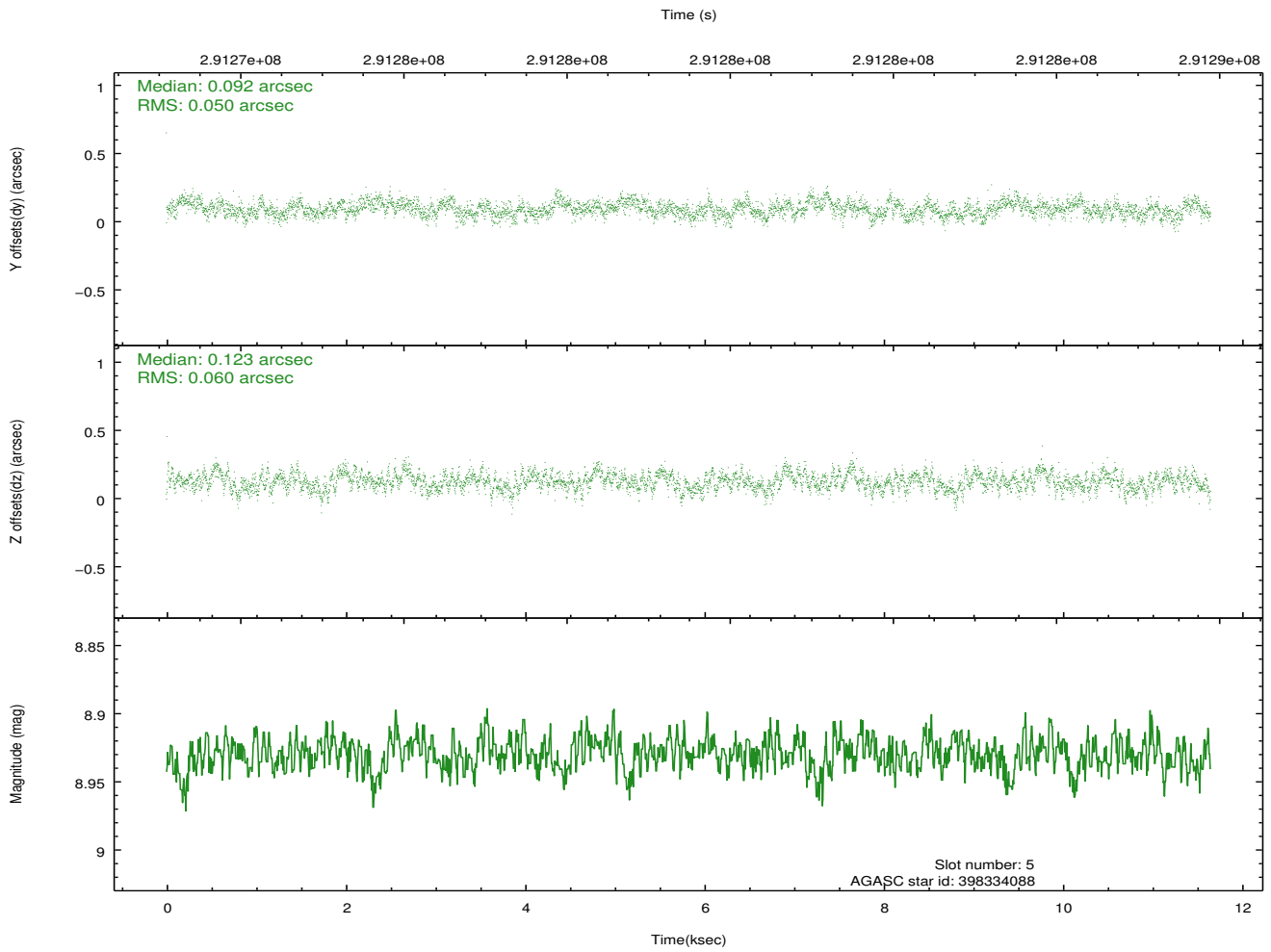
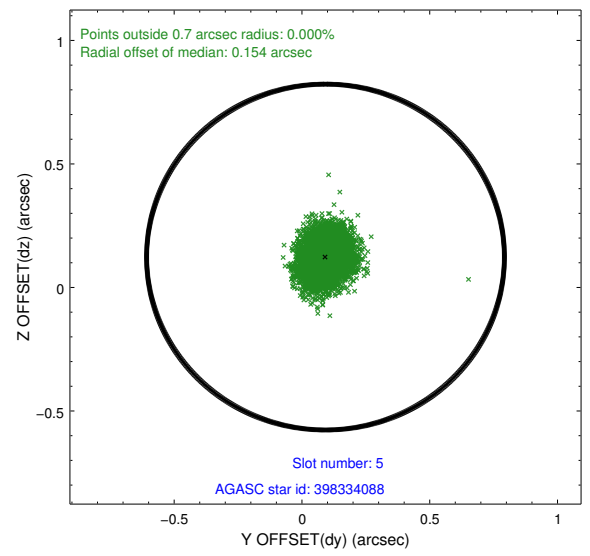
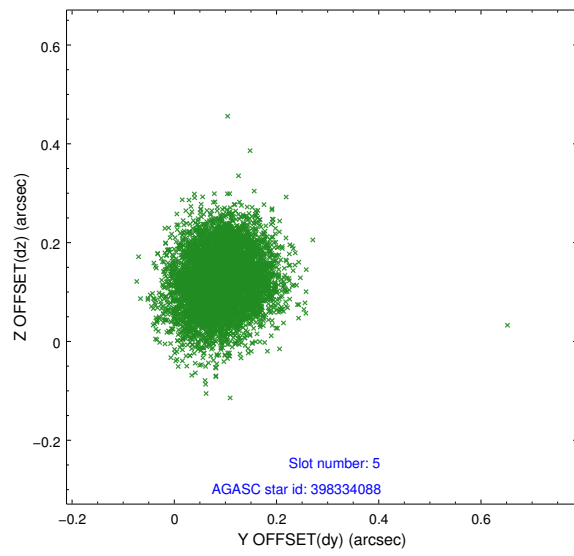
2.4.1 Slot 3



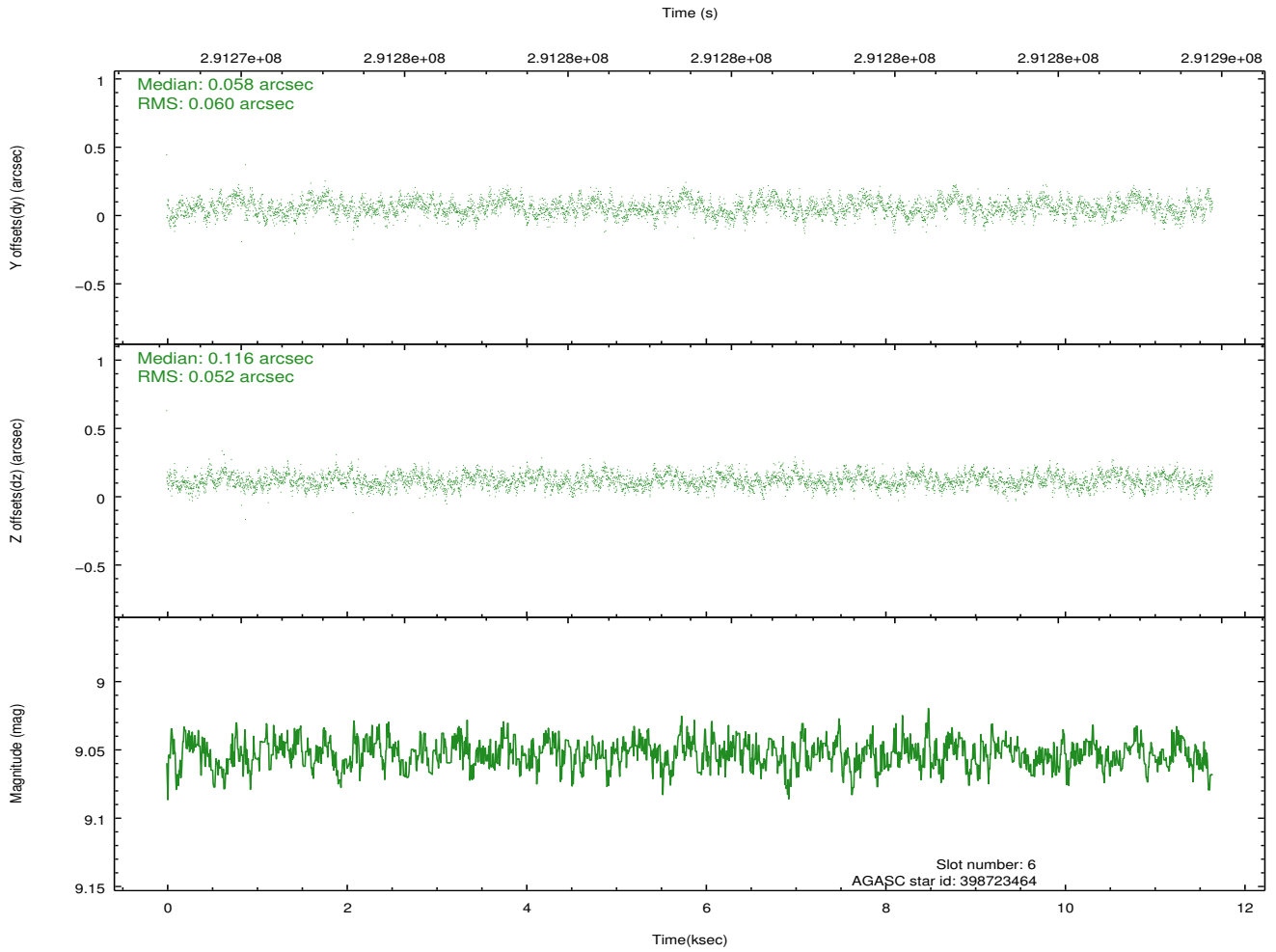
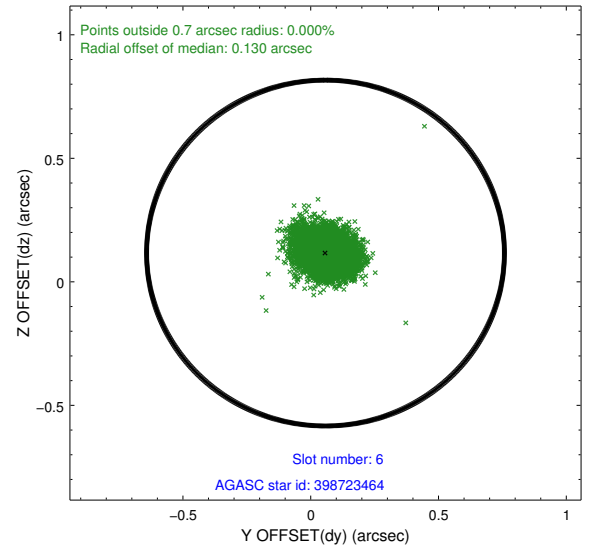
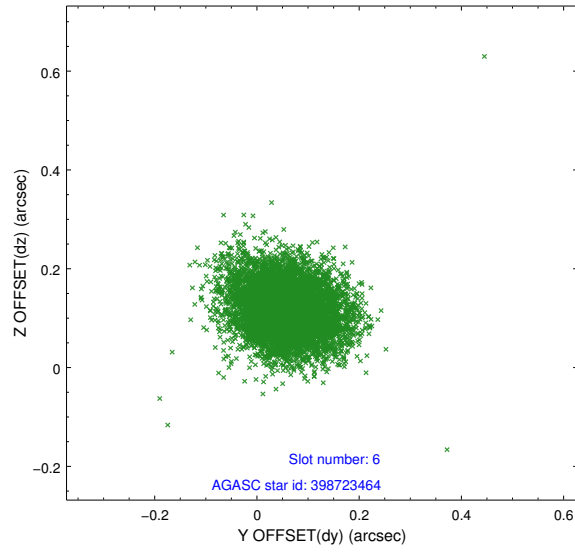
2.4.2 Slot 4



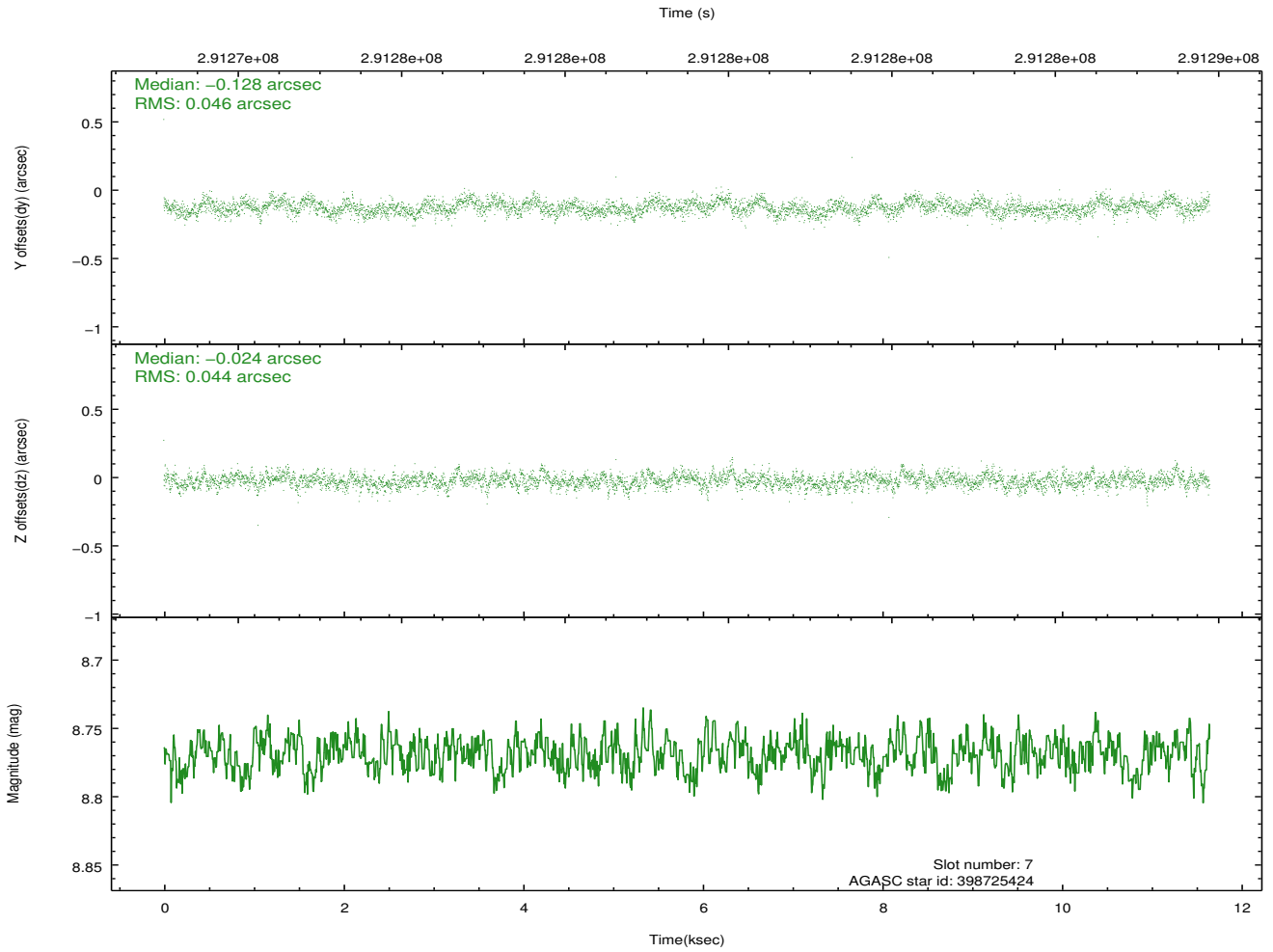
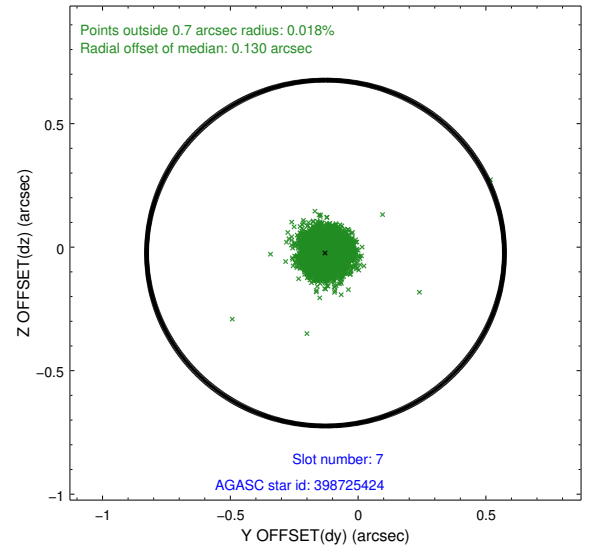
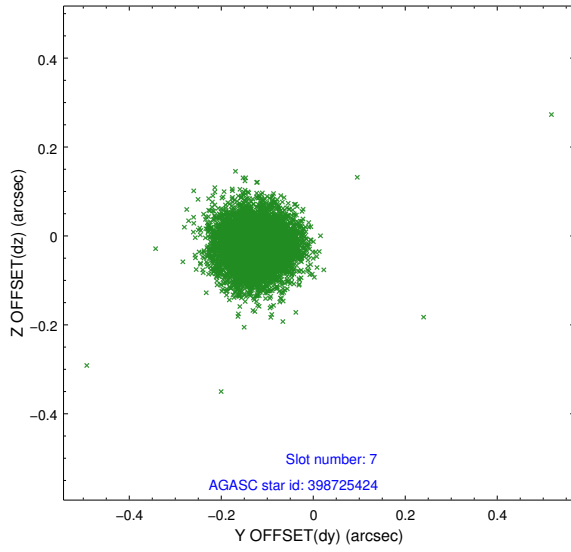
2.4.3 Slot 5



2.4.4 Slot 6

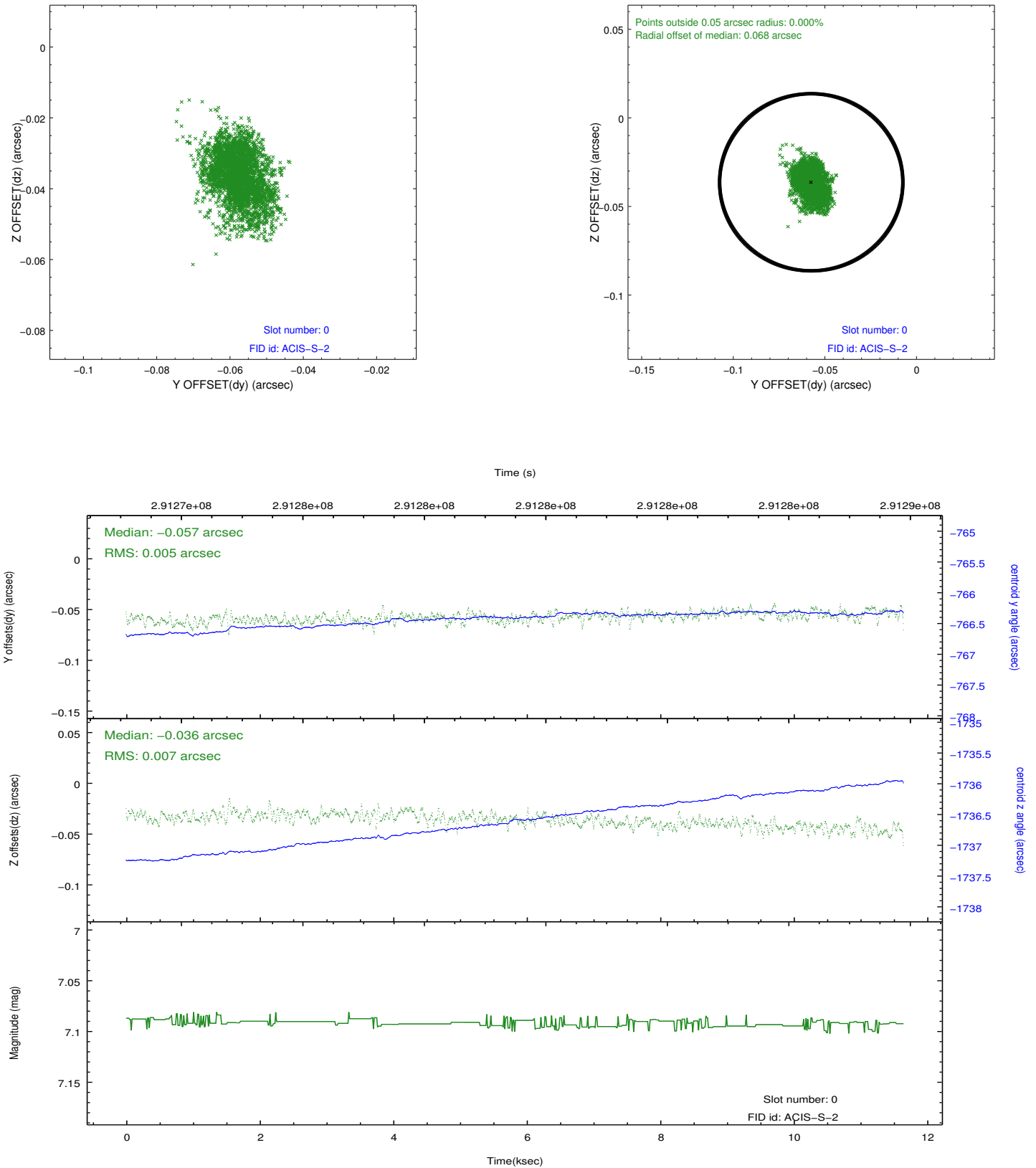


2.4.5 Slot 7

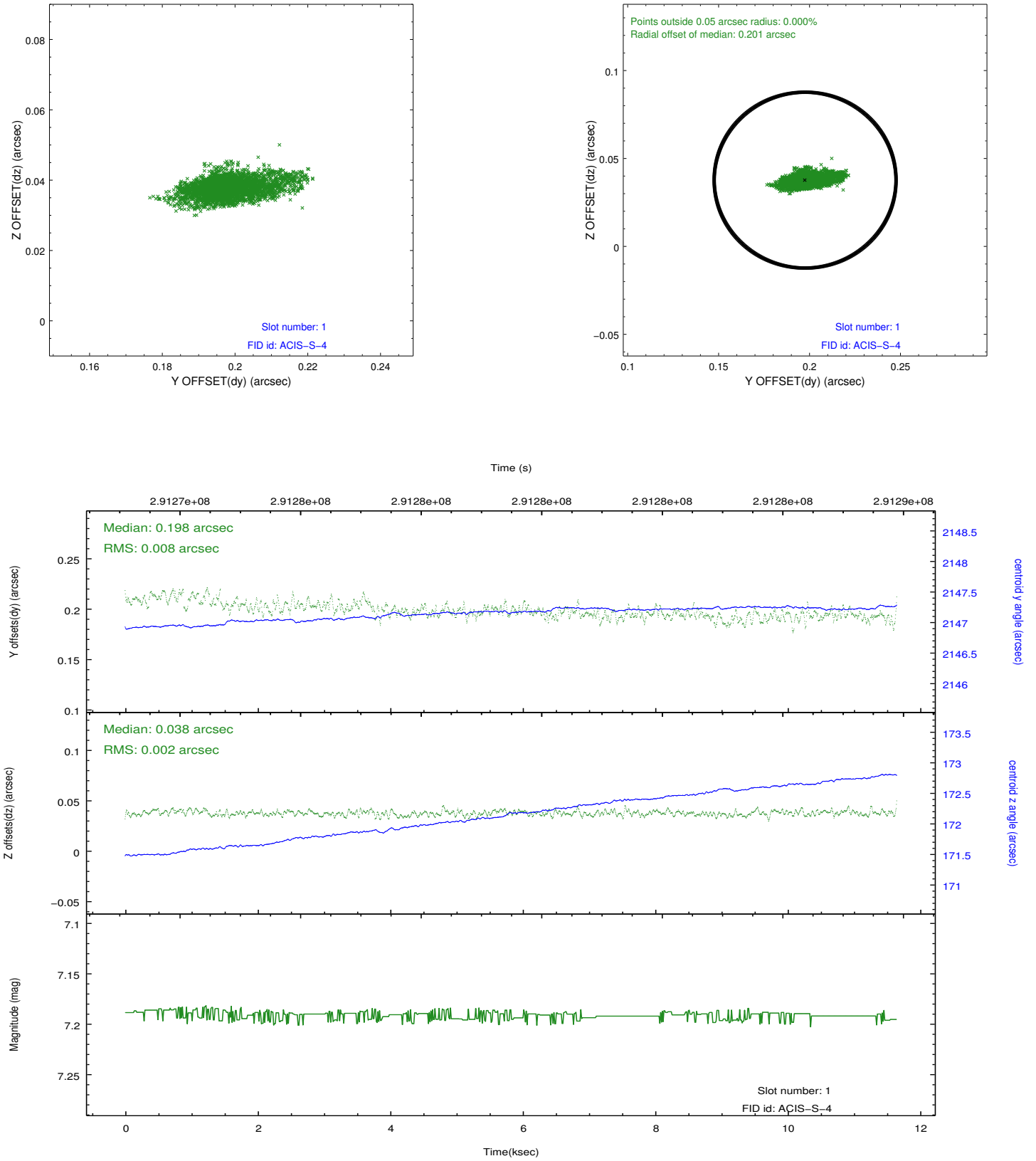


2.5 FID Slots

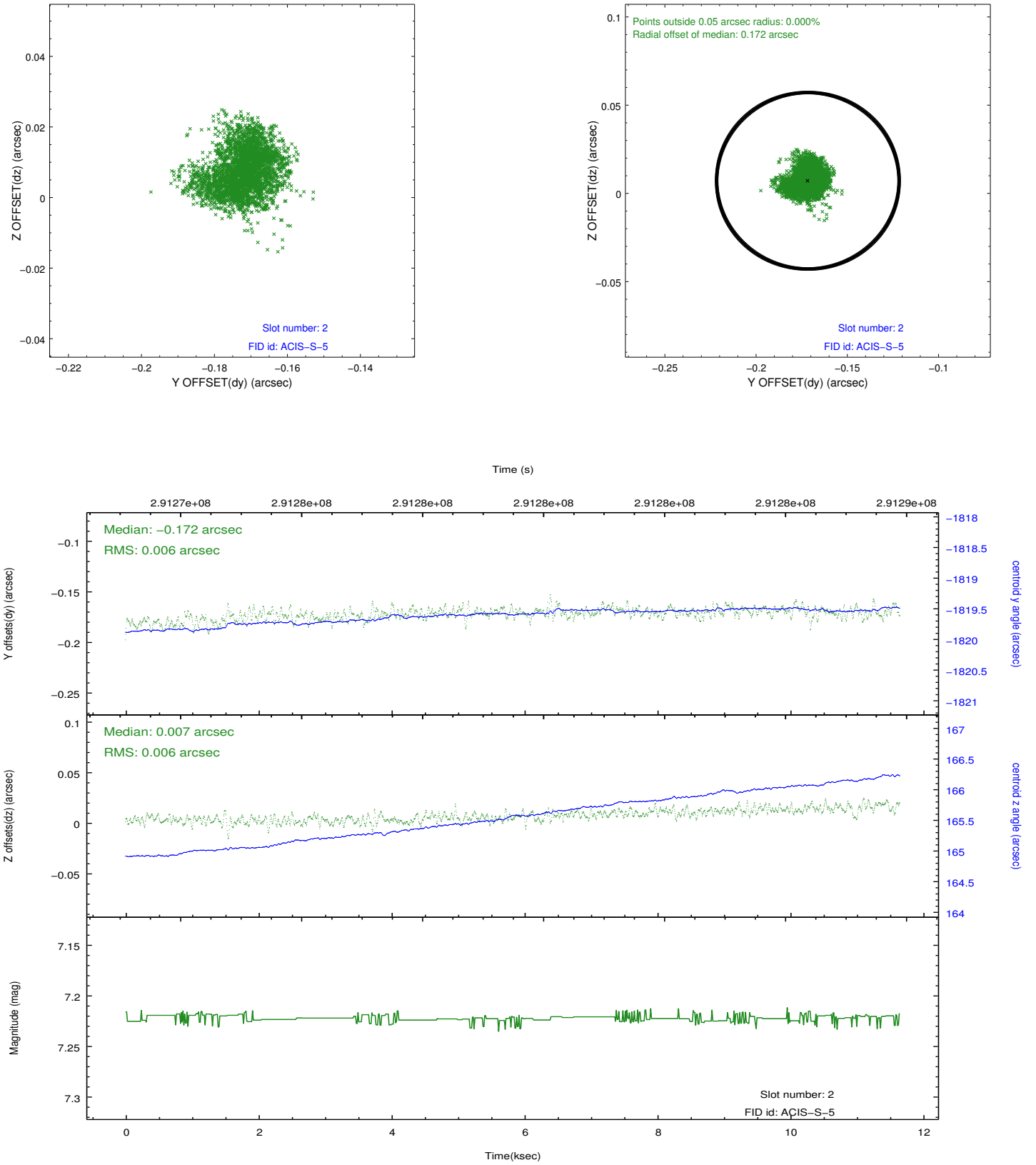
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.6491993

A.2 Comments

Joint proposal with NRAO.