

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12310 - L2 Version 2
Chandra X-Ray Center

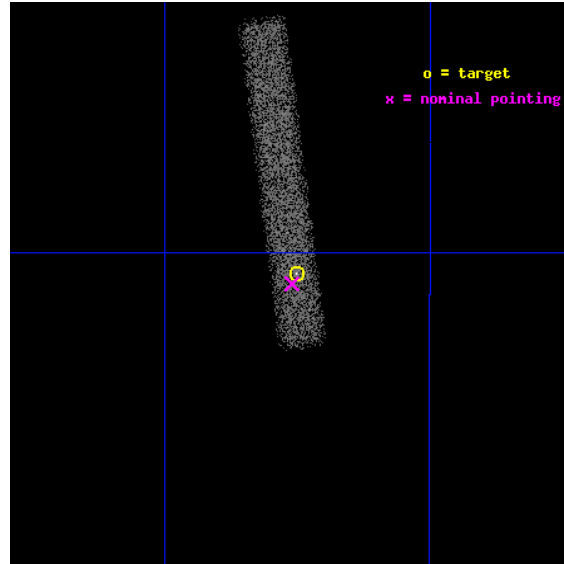
L2 Processing Date : Jun 30 2012

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1 Front

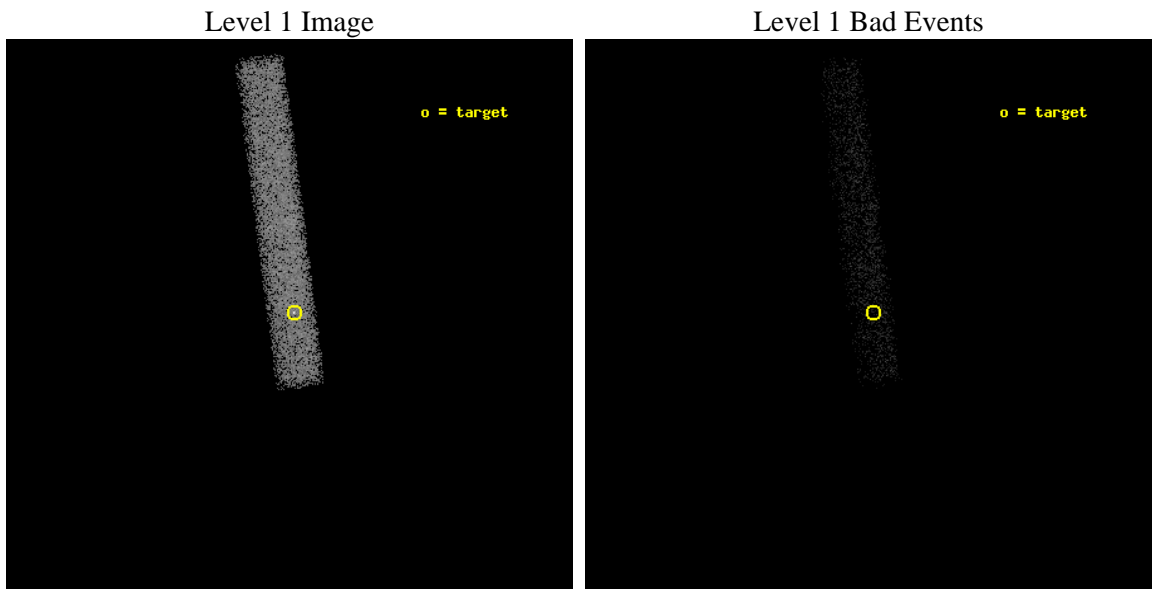
seq_num	401143	Sequence number
obs_id	12310	Observation id
title	Following a black hole candidate X-ray transient to quiescence	Pro
observer	dr Peter Jonker	Principal investigator
object	TOO_XTEJ1752-223	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.062917	Observer's specified target RA [deg]
dec_targ	-22.342333	Observer's specified target Dec [deg]
ra_nom	268.06511821098	Nominal RA [deg]
dec_nom	-22.346747693632	Nominal Dec [deg]
roll_nom	262.65746016011	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15009.999105334	Sum of GTIs [s]
livetime	13613.276895823	Livetime [s]
ontime7	15009.999105334	Sum of GTIs [s]
l2events	10076	Number of level 2 events



2 OBI

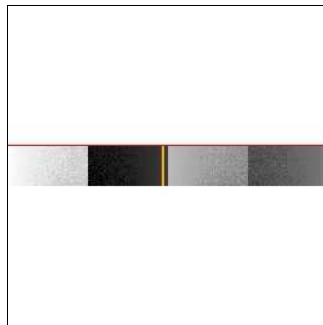
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15009.999105334	Sum of GTIs [s]
caldsver	4.5.0	 	ontime7	15009.999105334	Sum of GTIs [s]
date	2012-06-30T13:33:38	Date and time of file creation	l1events	19645	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

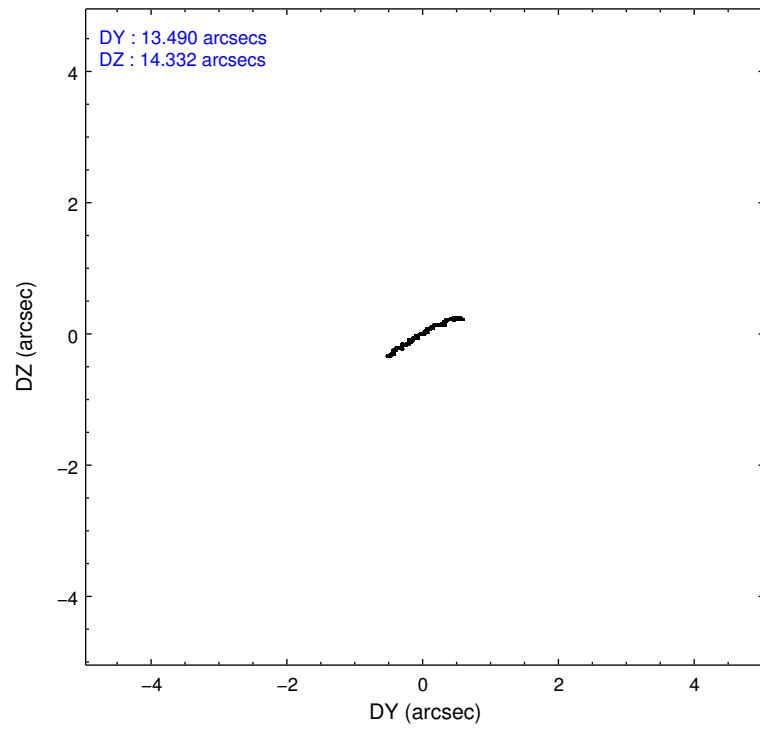
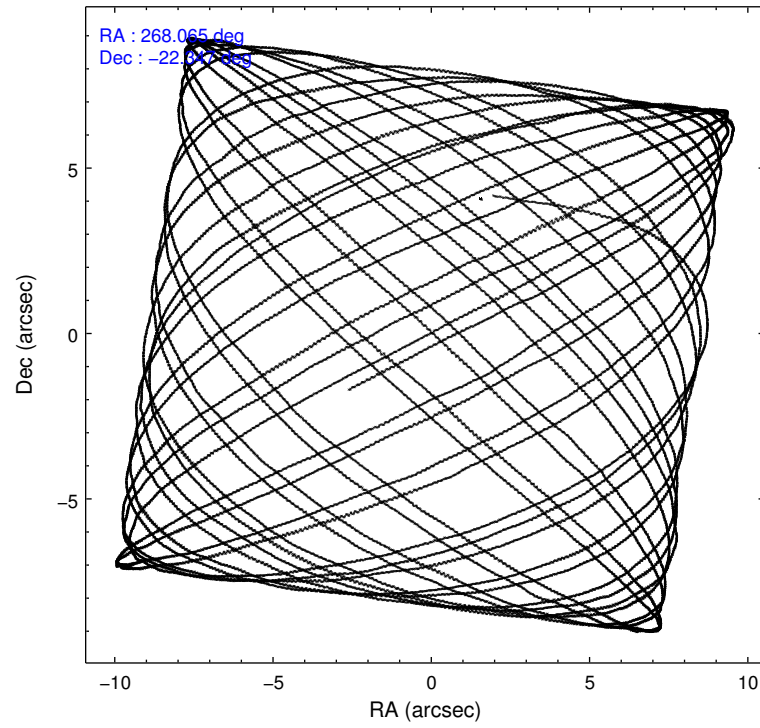
	ccd 7
level 1 events	19645
rejected events	9109
rejected %	46%

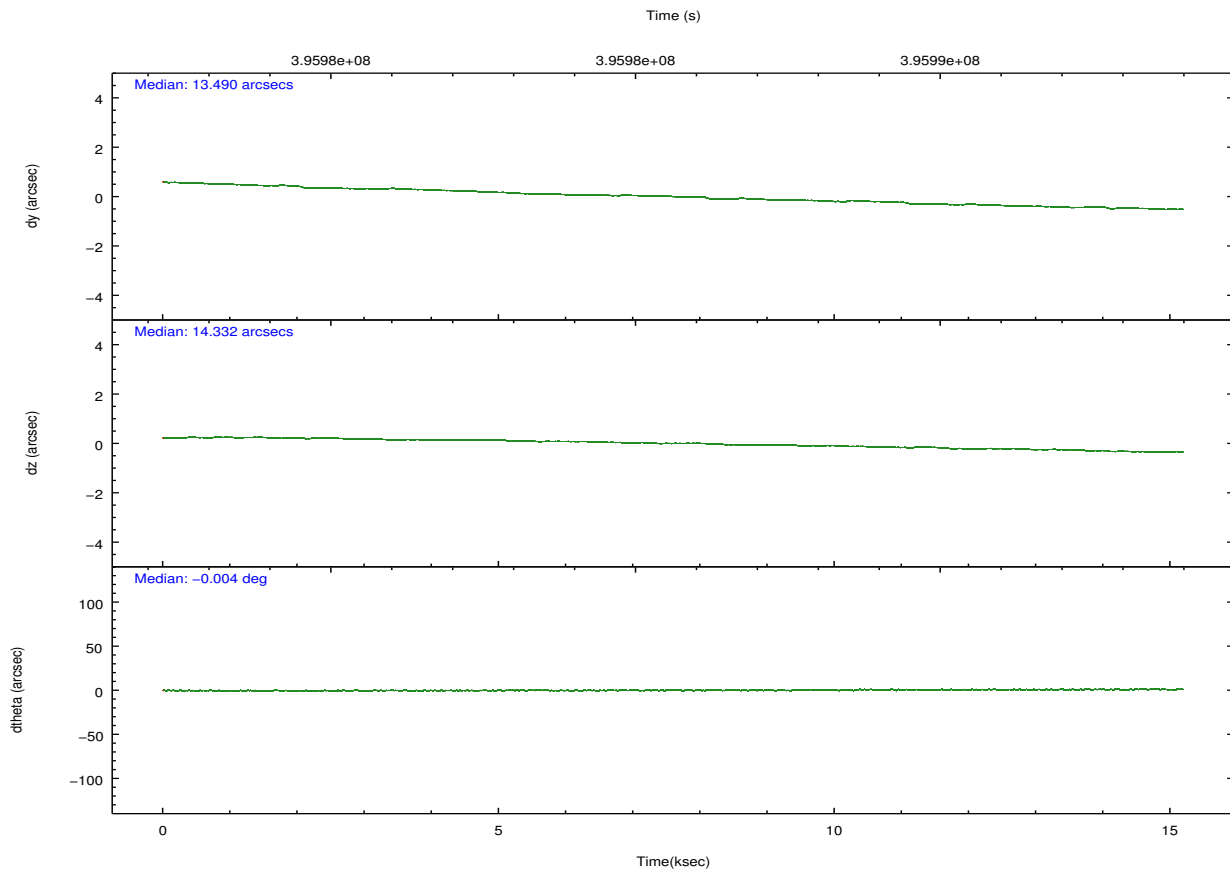
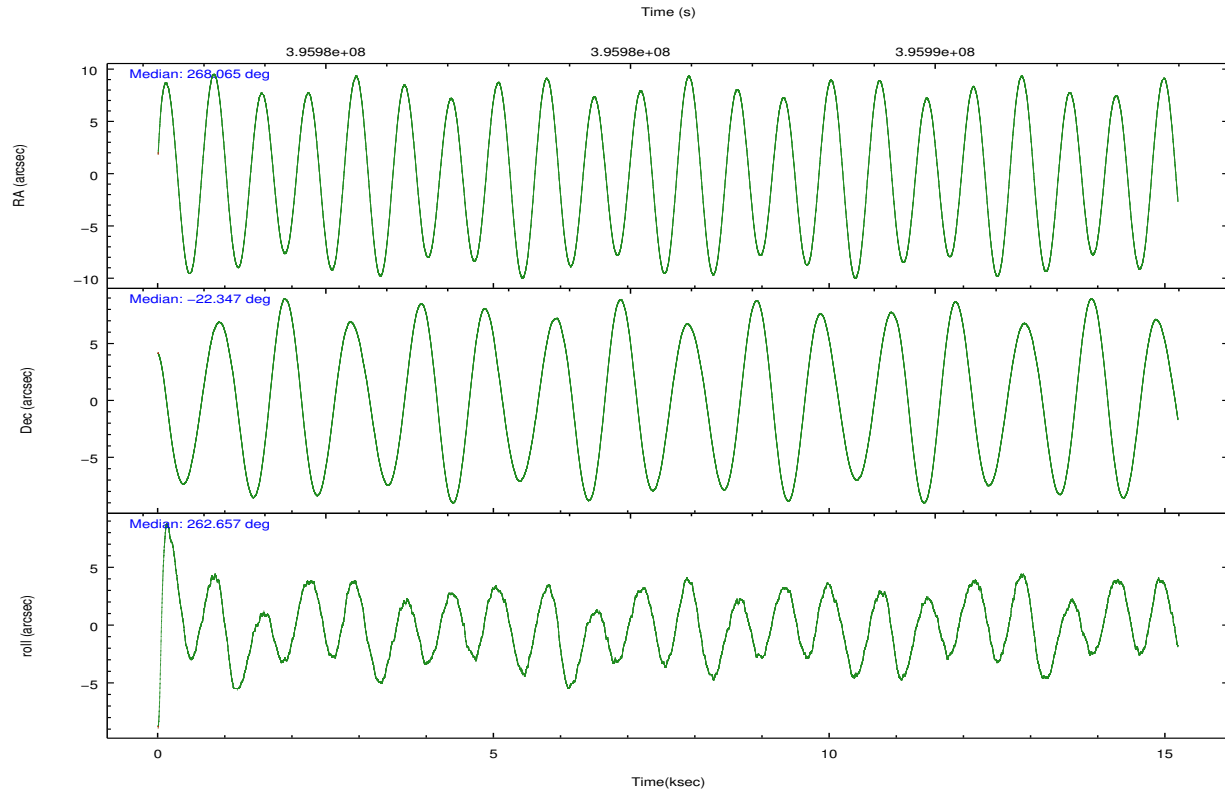
	ccd 7
grade 0 events	1201
	6%
grade 1 events	22
	0%
grade 2 events	2124
	10%
grade 3 events	1409
	7%
grade 4 events	1345
	6%
grade 5 events	1940
	9%
grade 6 events	4457
	22%
grade 7 events	7147
	36%

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	268.053313	268.0651182109823	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-22.321664	-22.34674769363184	Subarray start row	449	449
[deg] Pointing Roll	262.496351	262.6574601601052	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	395978211.184000	395977277.21526			
Observation start date	2010-07-20T01:55:45	2010-07-20T01:41:17			
[s] Observation end time (MET)	395993211.184000	395994188.17862			
Observation end date	2010-07-20T06:05:45	2010-07-20T06:23:08			
Read mode	TIMED	TIMED			

2.3 Aspect



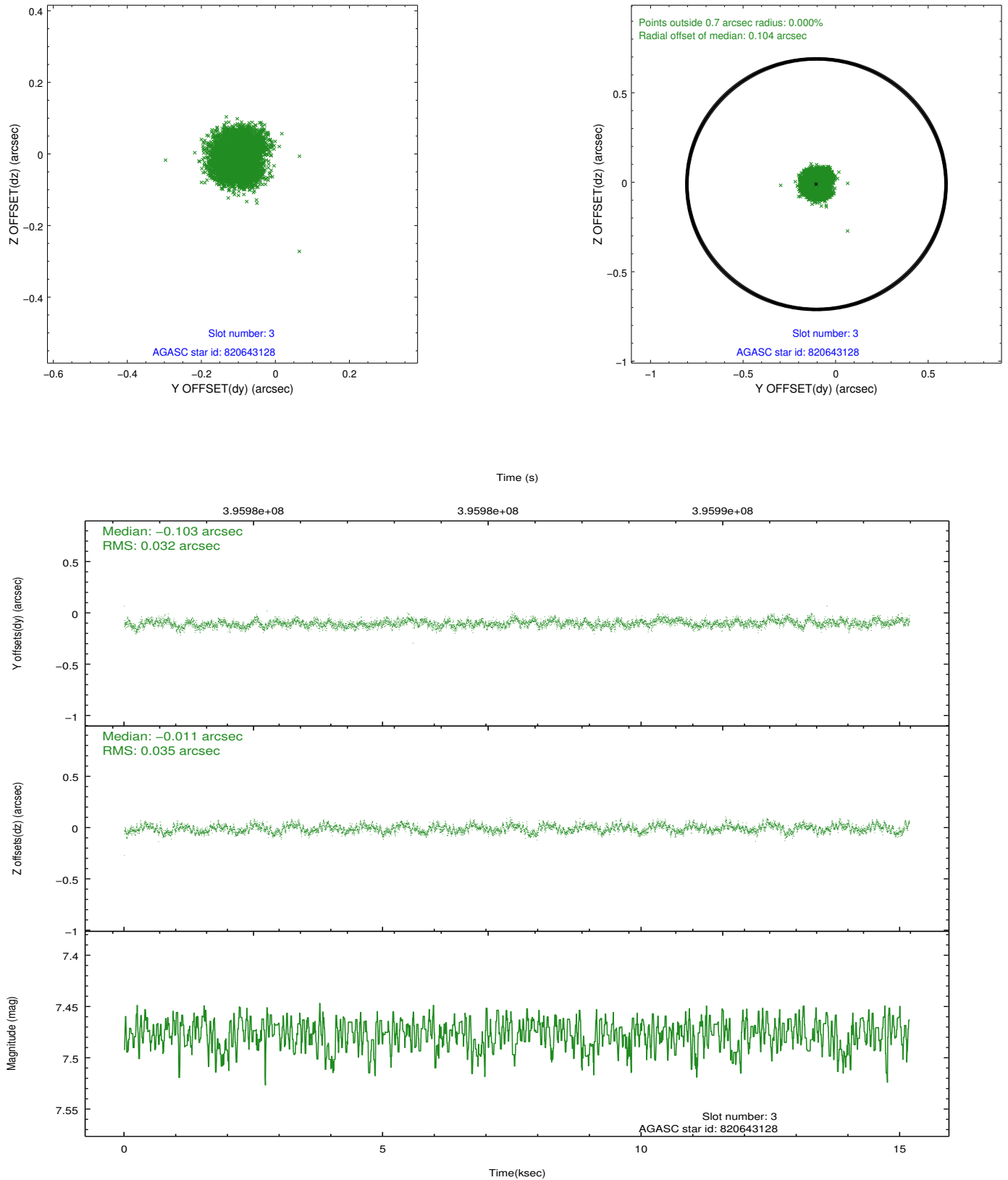


Slot Statistics

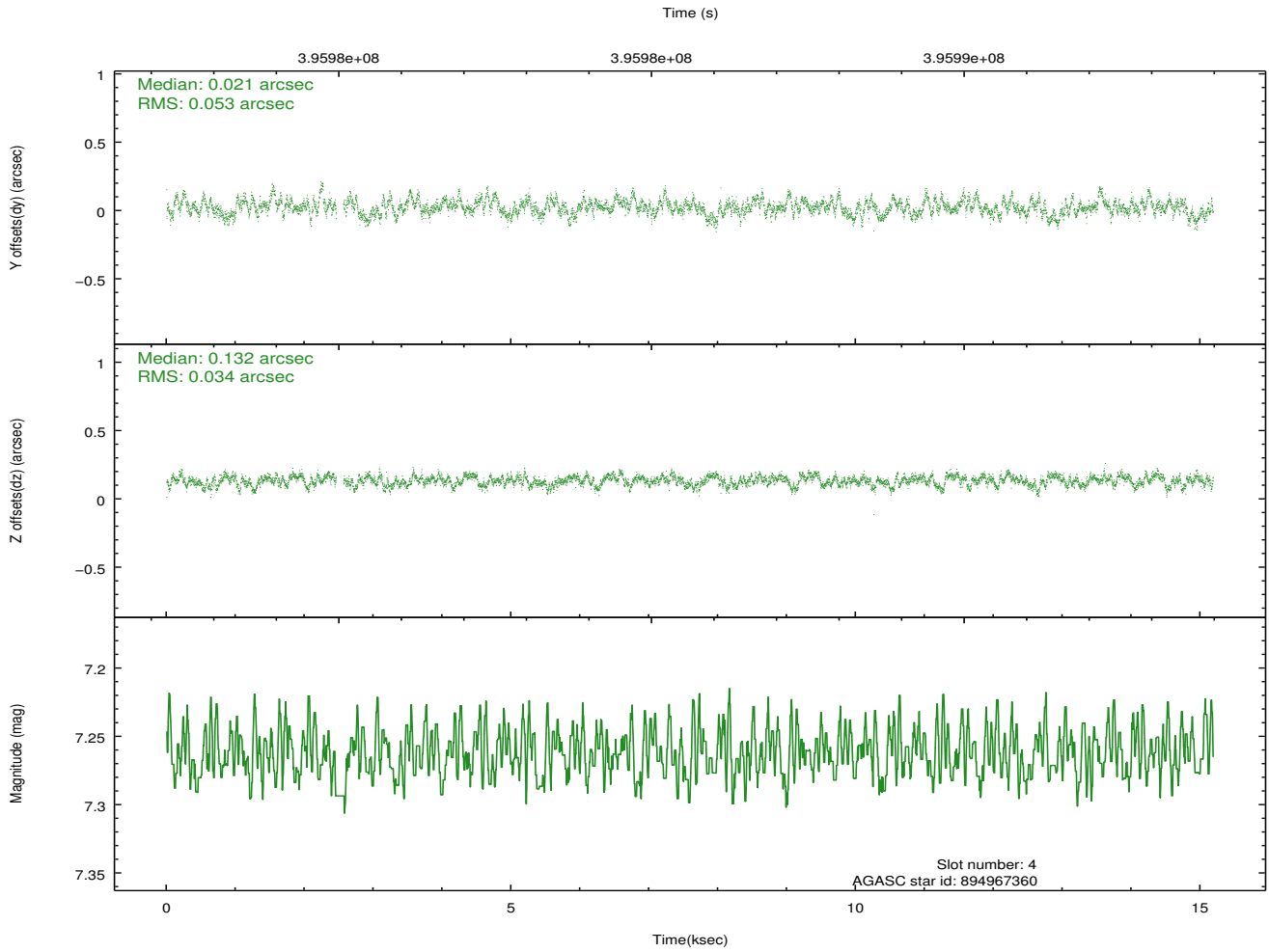
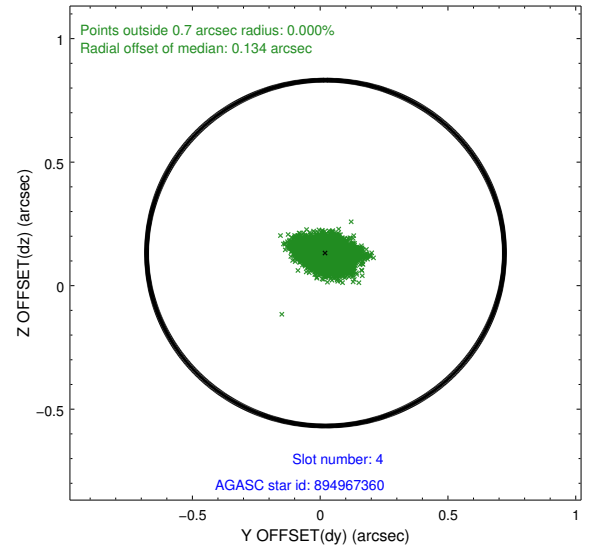
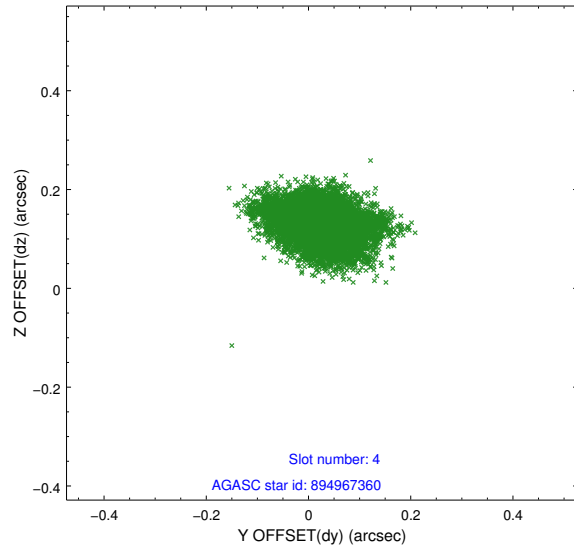
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	3705	-0.057	-0.048	0.017	0.026	0.000000	0.000000	-766.46	-1735.73
1	FID	ACIS-S-4	6.97	3705	0.198	0.040	0.025	0.041	0.000000	0.000000	2146.92	172.55
2	FID	ACIS-S-5	7.00	3705	-0.171	0.016	0.012	0.020	0.000000	0.000000	-1819.05	166.51
3	GUIDE	820643128	7.48	7409	-0.103	-0.011	0.050	0.081	267.699048	-21.791174	-1737.06	-1423.46
4	GUIDE	894967360	7.26	7355	0.021	0.132	0.066	0.113	267.782247	-22.921004	2258.34	-608.80
5	GUIDE	896664600	8.30	7407	-0.094	-0.116	0.051	0.084	268.112349	-22.883967	1982.08	458.24
6	GUIDE	896671704	7.85	7408	-0.153	-0.029	0.063	0.098	268.307622	-22.536738	658.47	939.52
7	GUIDE	896672784	9.25	7401	0.324	0.026	0.095	0.154	268.139856	-22.666371	1193.71	447.19

2.4 Star Slots

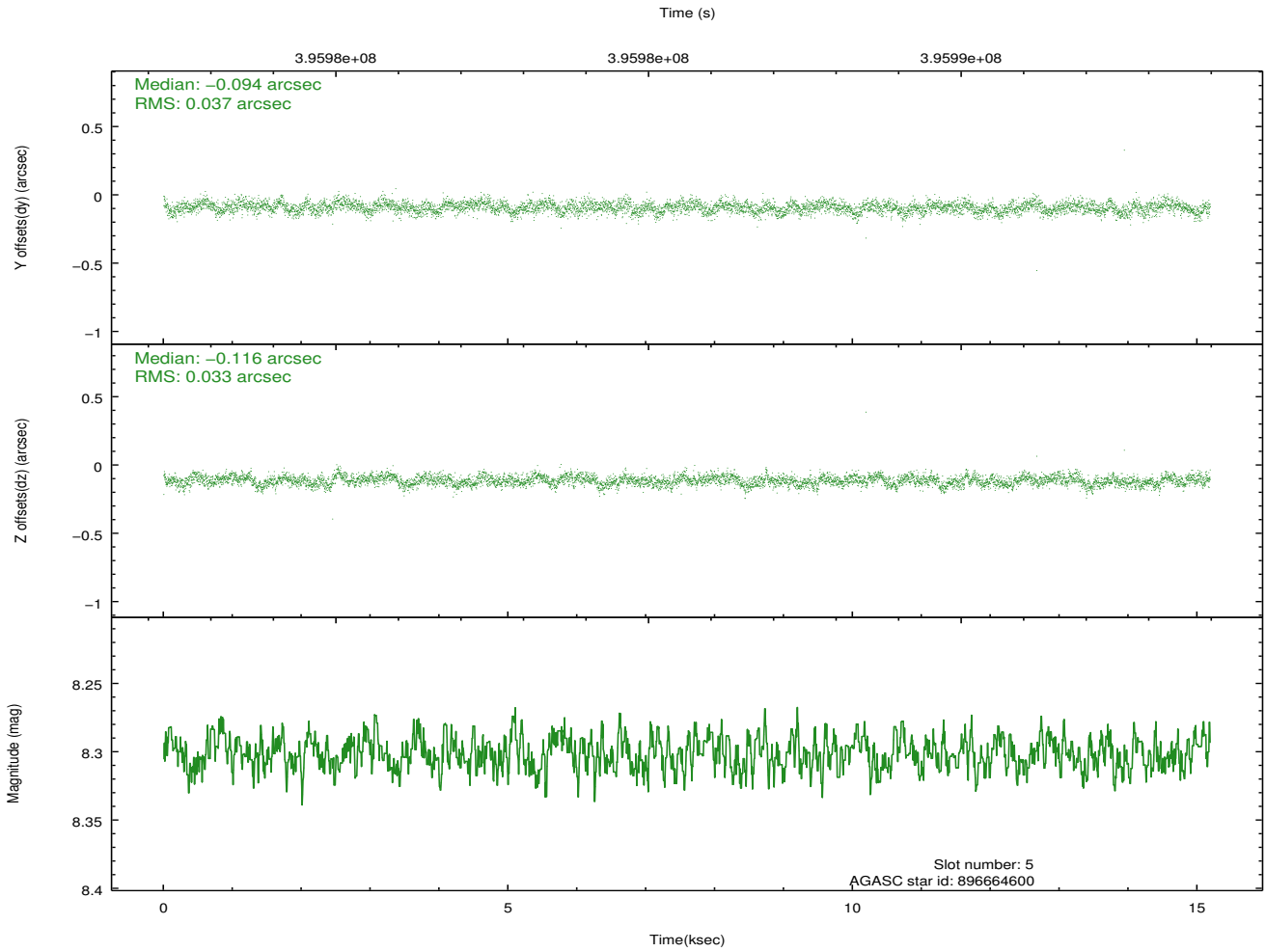
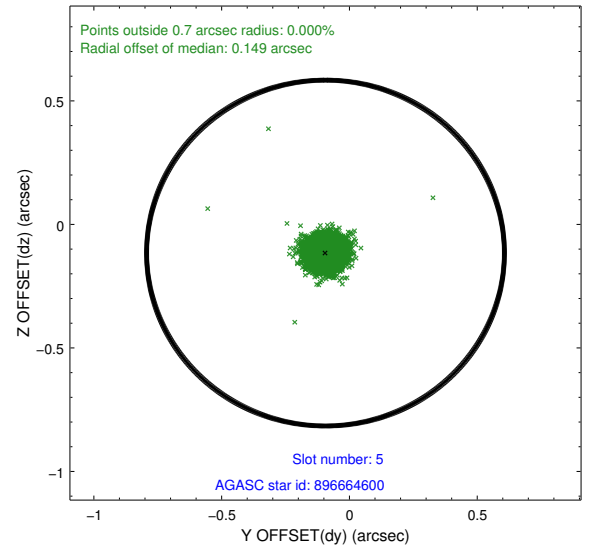
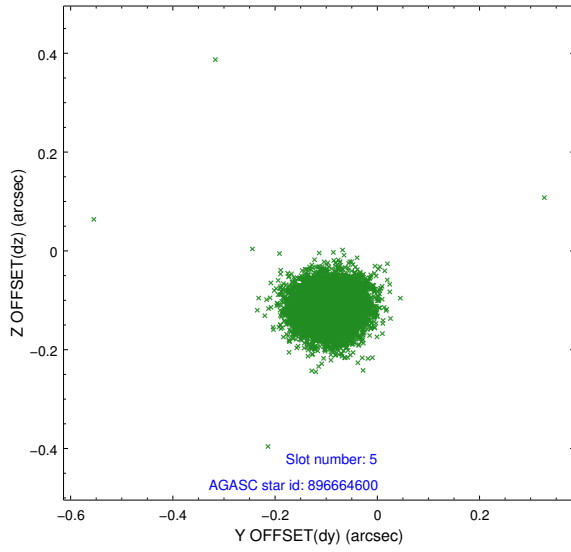
2.4.1 Slot 3



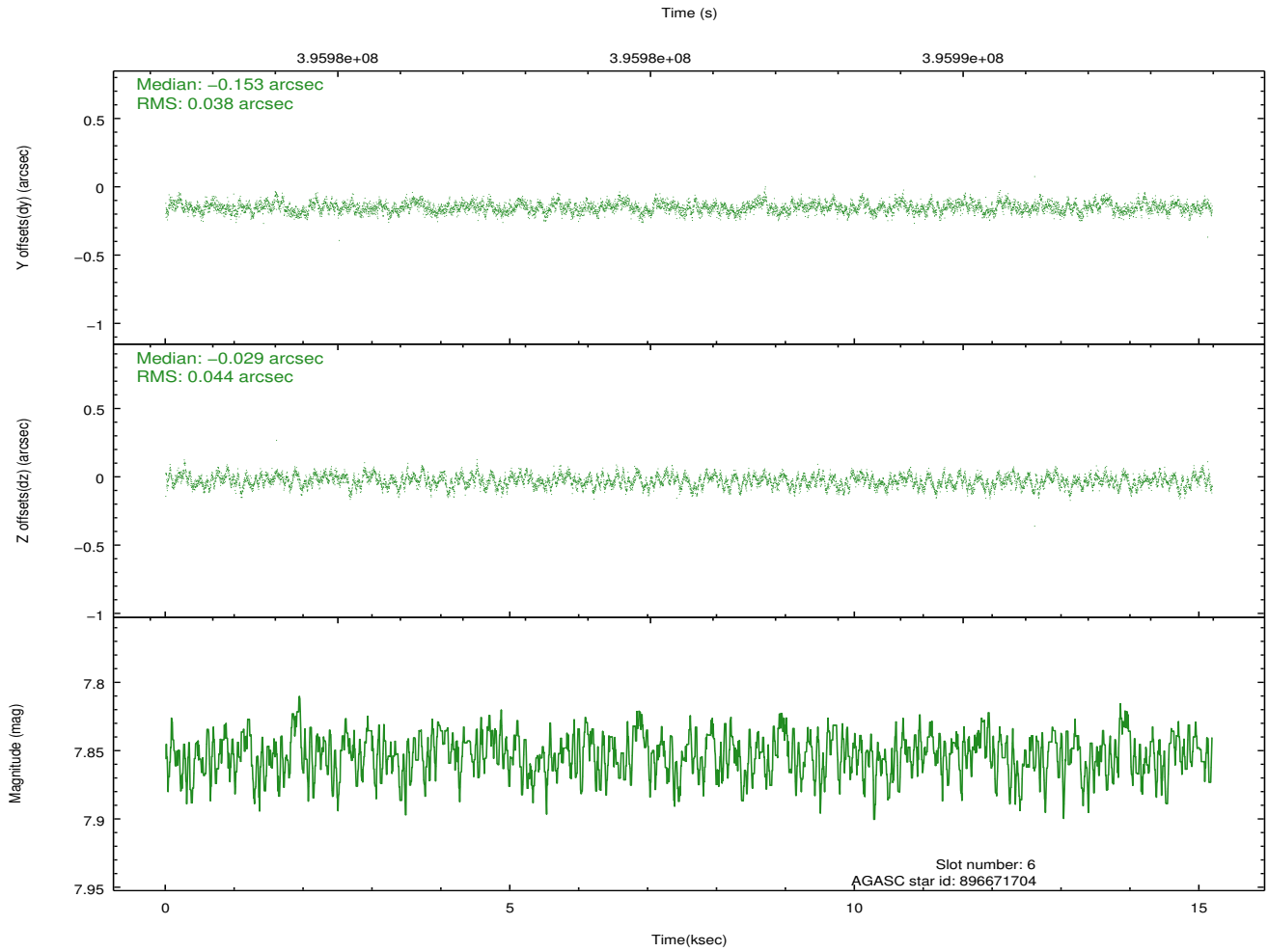
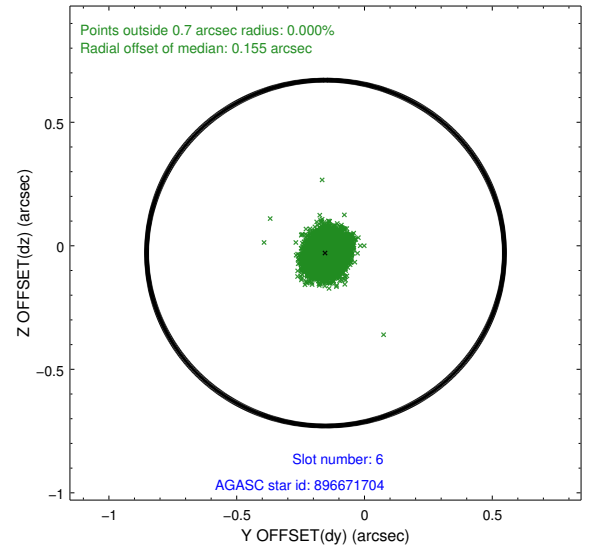
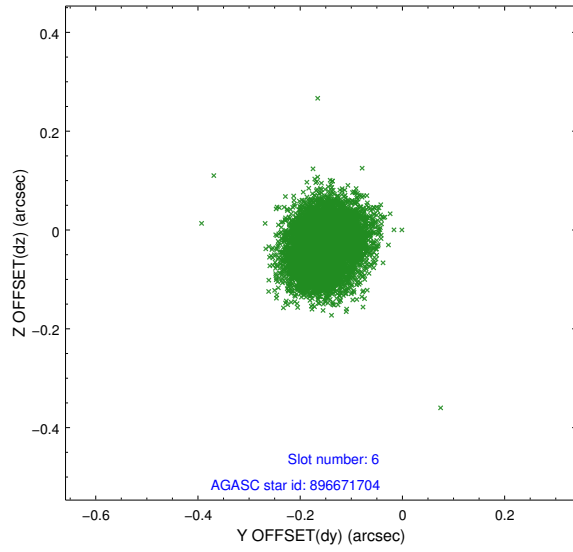
2.4.2 Slot 4



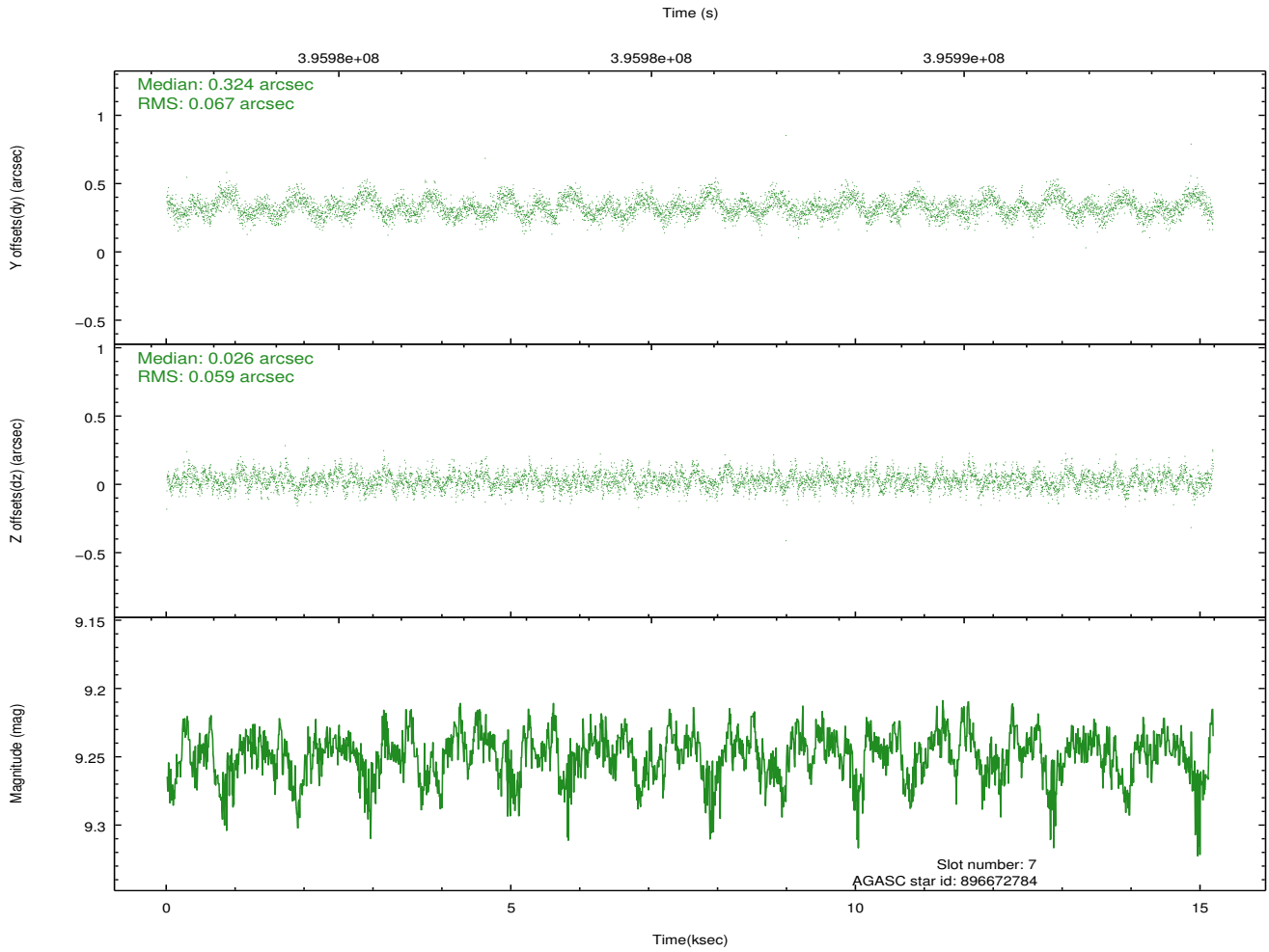
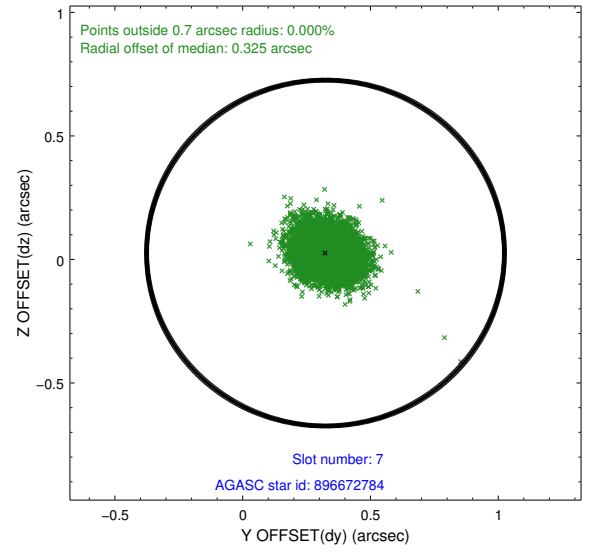
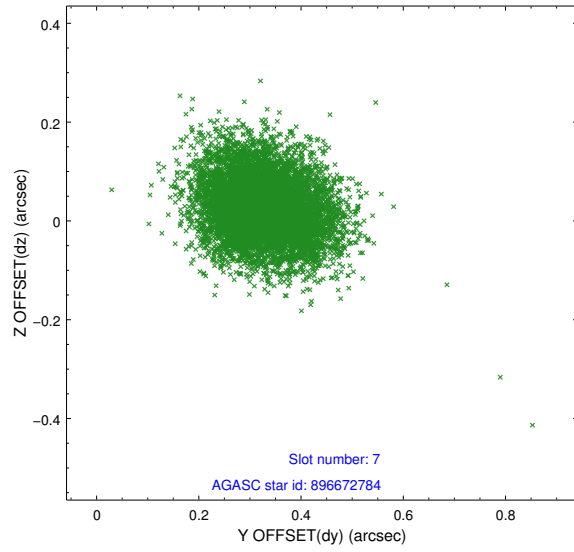
2.4.3 Slot 5



2.4.4 Slot 6

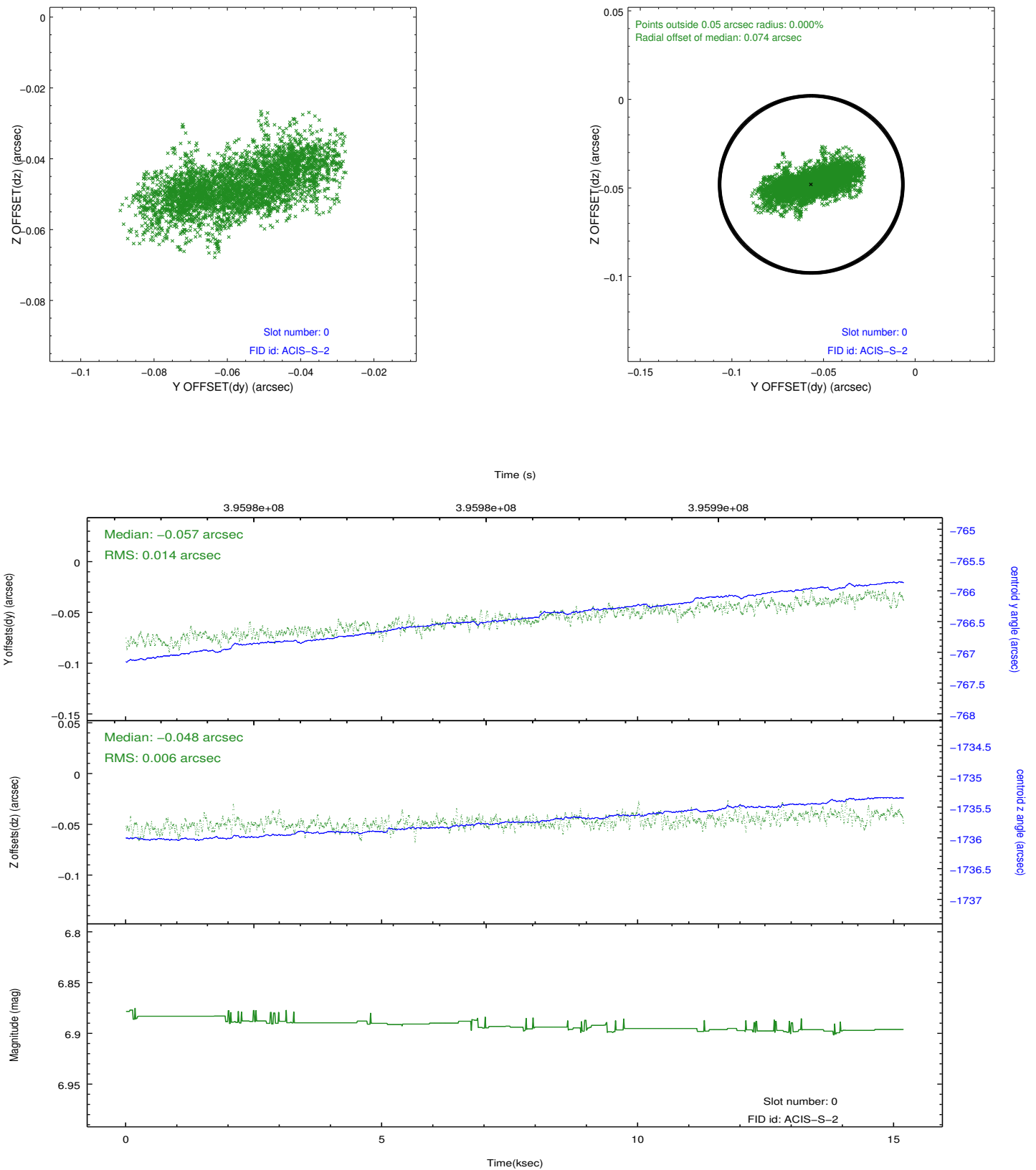


2.4.5 Slot 7

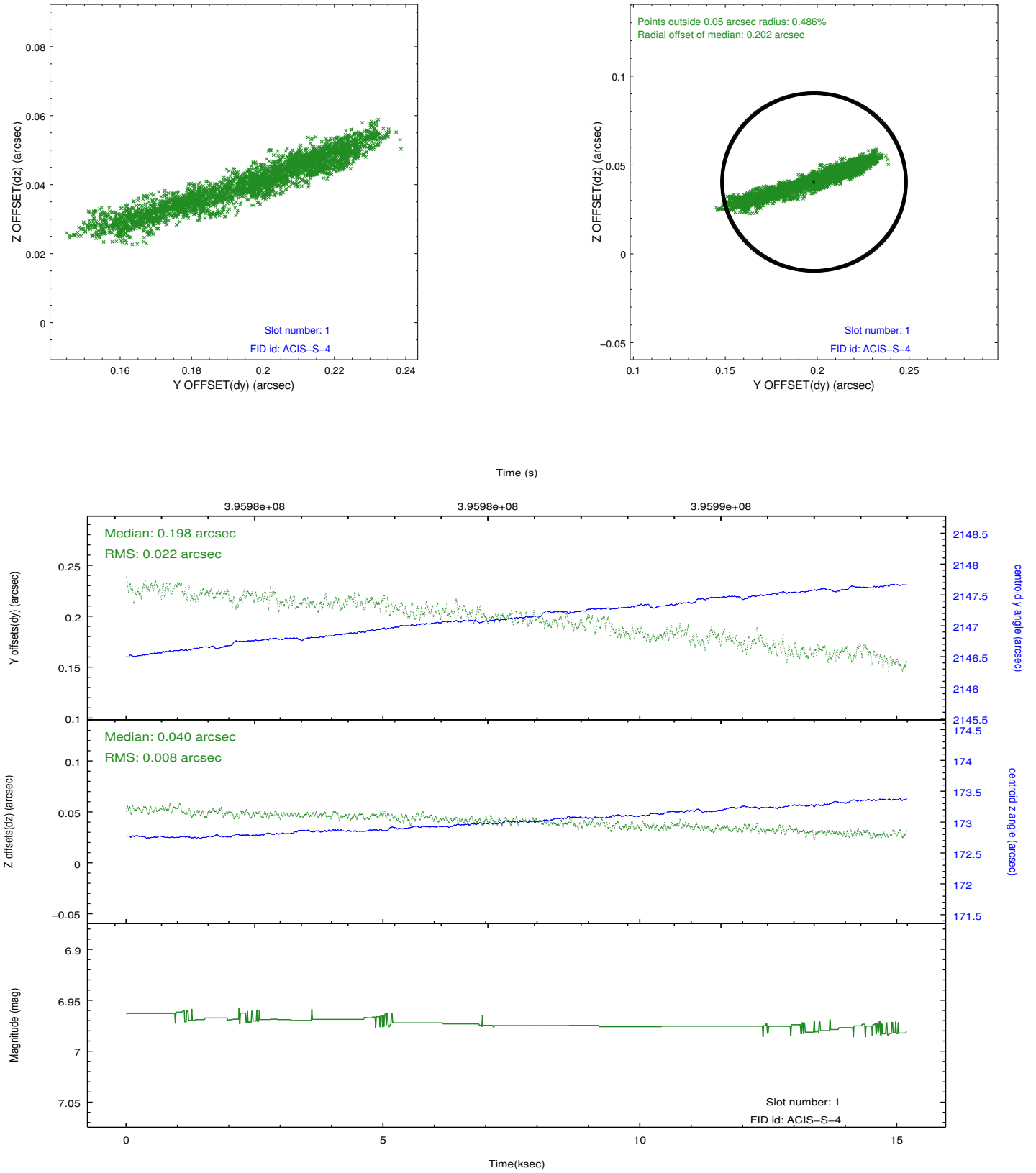


2.5 FID Slots

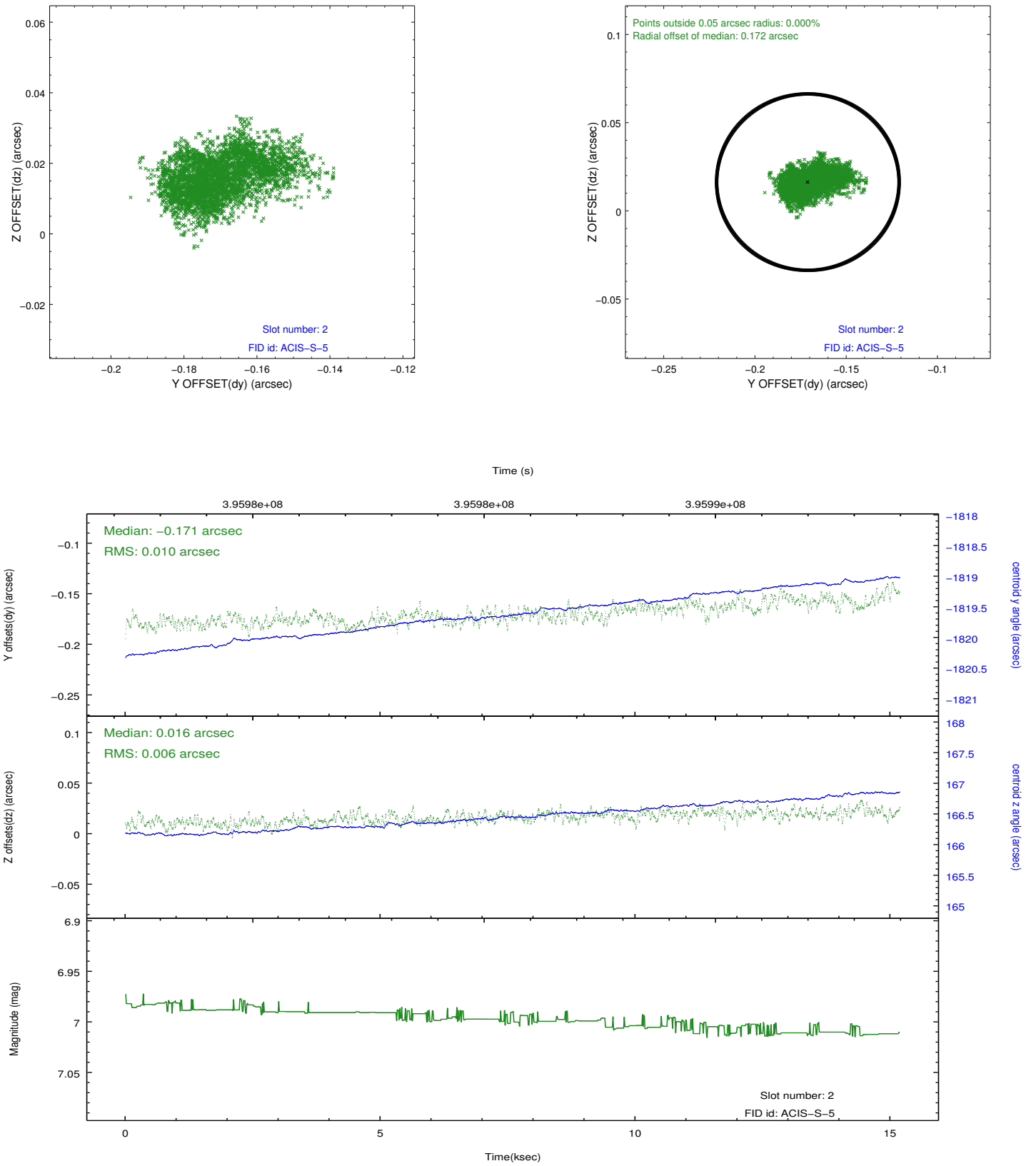
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0099991

A.2 Comments

Joint proposal with NRAO.