

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21495 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 25 2019

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1 Front

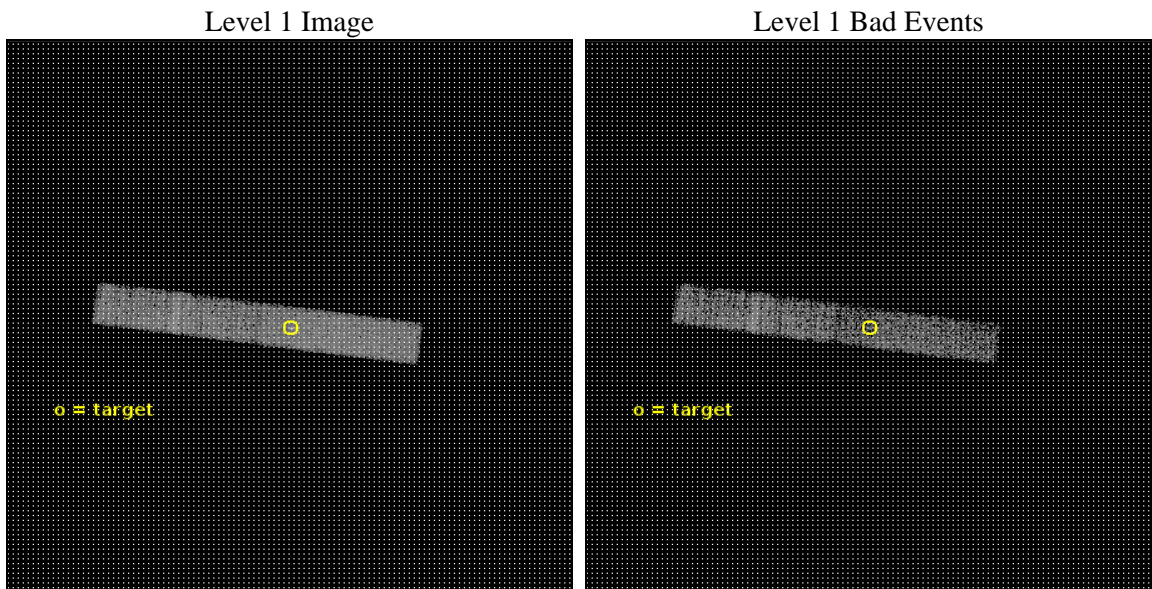
seq_num	703788	Sequence number
obs_id	21495	Observation id
title	Synchrotron emission in low-redshift quasars	Proposal title
observer	Mark Birkinshaw	Principal investigator
object	MRC1226-297	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.185417	Observer's specified target RA [deg]
dec_targ	-30.044056	Observer's specified target Dec [deg]
ra_nom	187.18791744363	Nominal RA [deg]
dec_nom	-30.039789463639	Nominal Dec [deg]
roll_nom	7.4765698197584	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10304.099726915	Sum of GTIs [s]
livetime	9854.7242988861	Livetime [s]
ontime6	10304.065767169	Sum of GTIs [s]
ontime7	10304.099726915	Sum of GTIs [s]
l2events	15767	Number of level 2 events



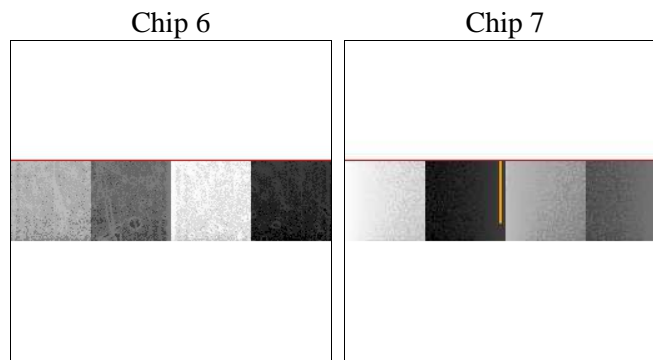
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10199.299000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	10304.099726915	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	10304.065767169	Sum of GTIs [s]
date	2019-03-25T16:26:43	Date and time of file creation	ontime7	10304.099726915	Sum of GTIs [s]
revision	1	Processing version of data	l1events	51435	Number of level 1 events

2.1.4 Events

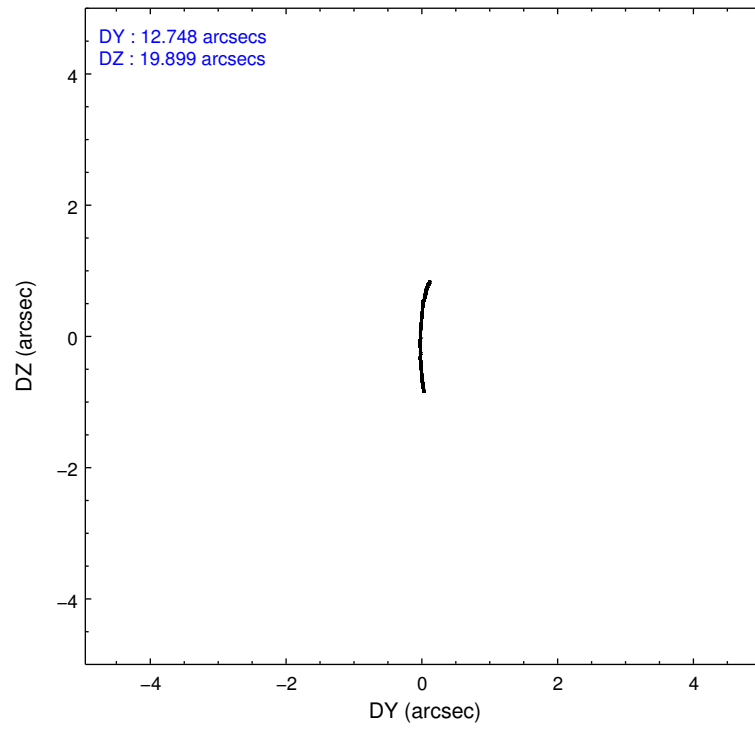
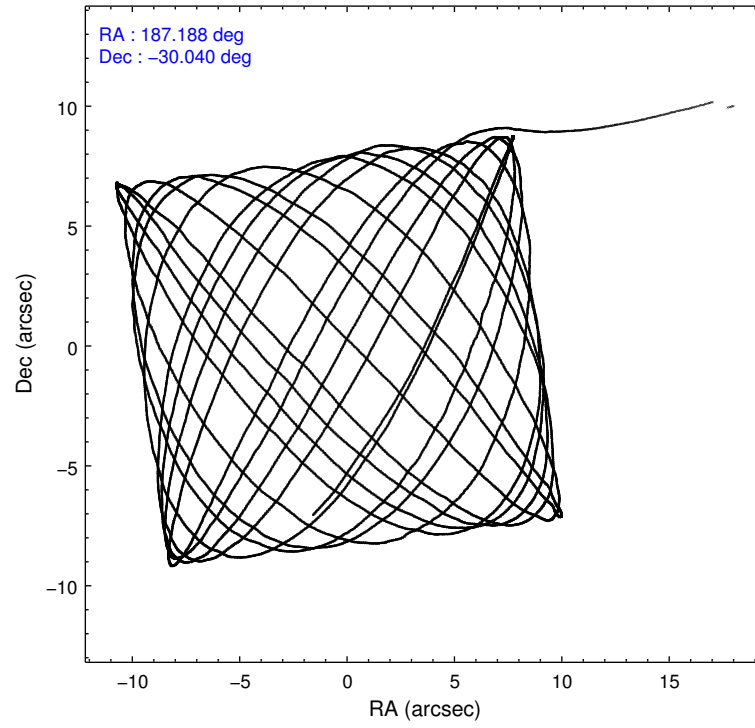
	ccd 6	ccd 7
level 1 events	23255	28180
rejected events	20529	14308
rejected %	88%	50%

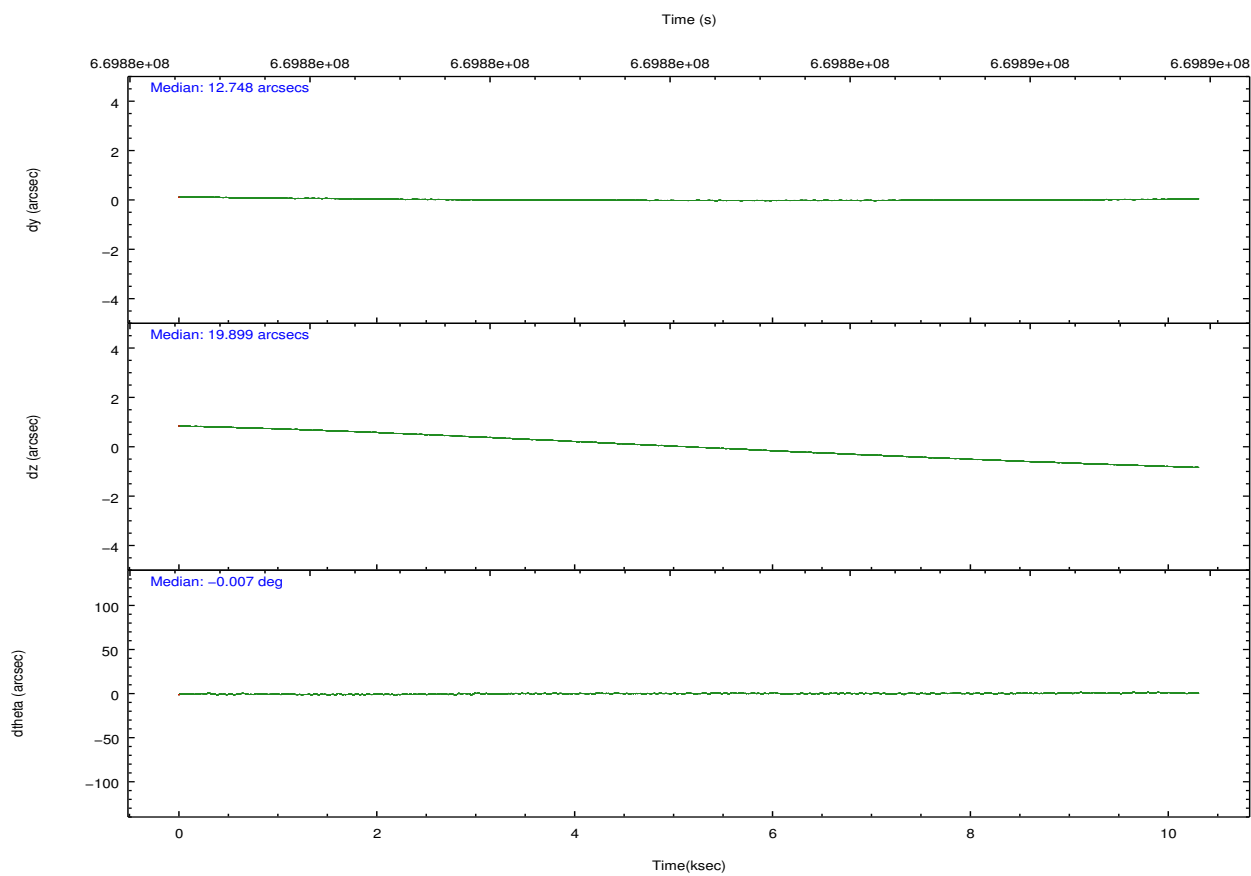
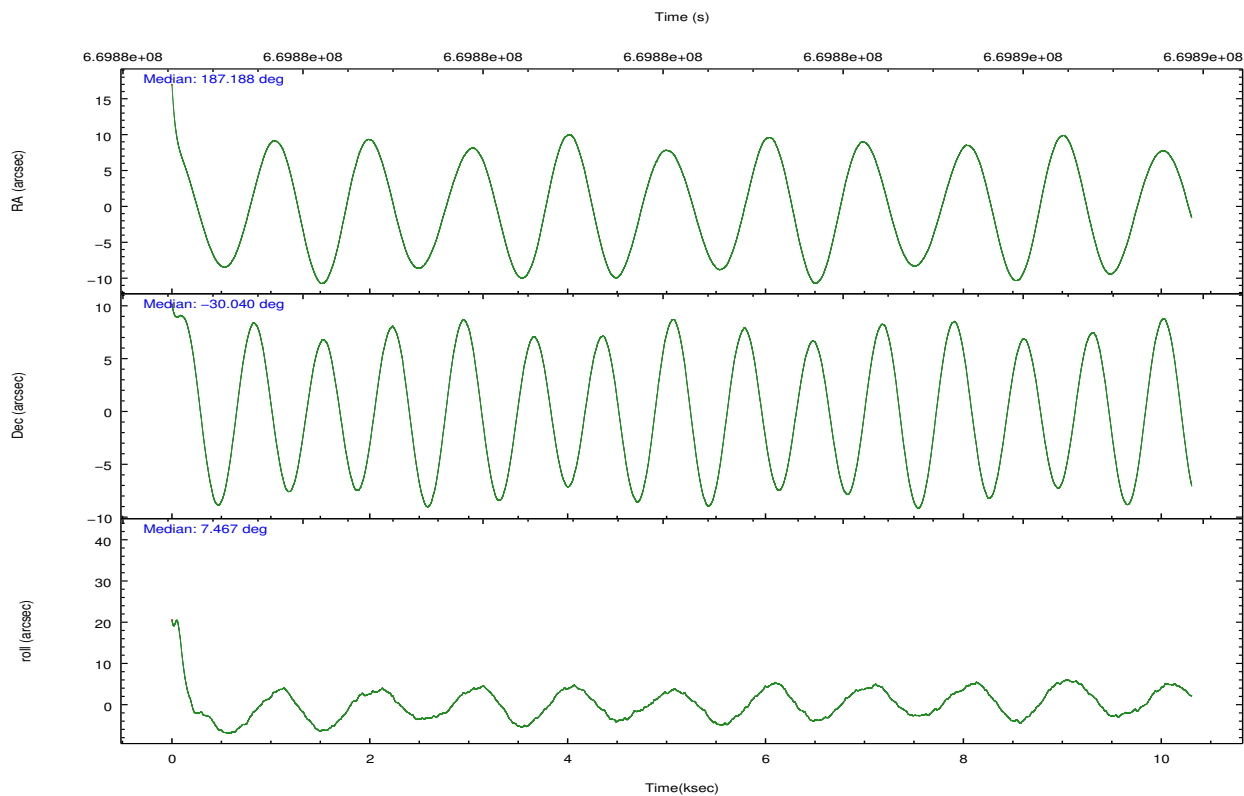
	ccd 6	ccd 7
grade 0 events	822	1604
	3%	5%
grade 1 events	10	53
	0%	0%
grade 2 events	512	3008
	2%	10%
grade 3 events	435	1412
	1%	5%
grade 4 events	384	1490
	1%	5%
grade 5 events	951	2939
	4%	10%
grade 6 events	573	6362
	2%	22%
grade 7 events	19568	11312
	84%	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.162961	187.1879174436256	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-30.056828	-30.03978946363859	Subarray start row	385	385
[deg] Pointing Roll	7.307448	7.476569819758383	Subarray row count	256	256
[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	0.9
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	669877185.184000	669875968.17915			
Observation start date	2019-03-25T04:58:36	2019-03-25T04:39:28			
[s] Observation end time (MET)	669887385.184000	669887822.30486			
Observation end date	2019-03-25T07:48:36	2019-03-25T07:57:02			
Read mode	TIMED	TIMED			

2.3 Aspect



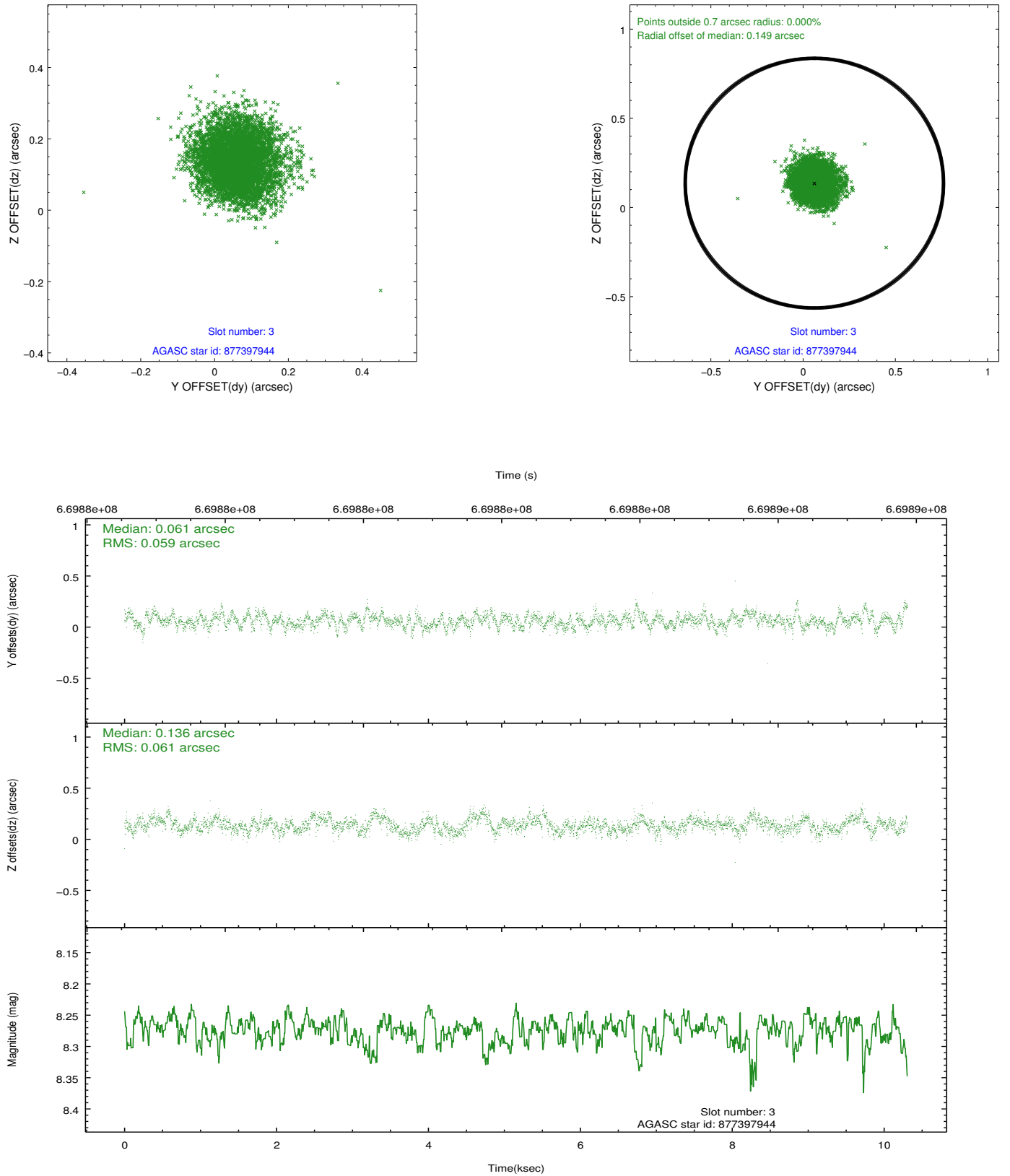


Slot Statistics

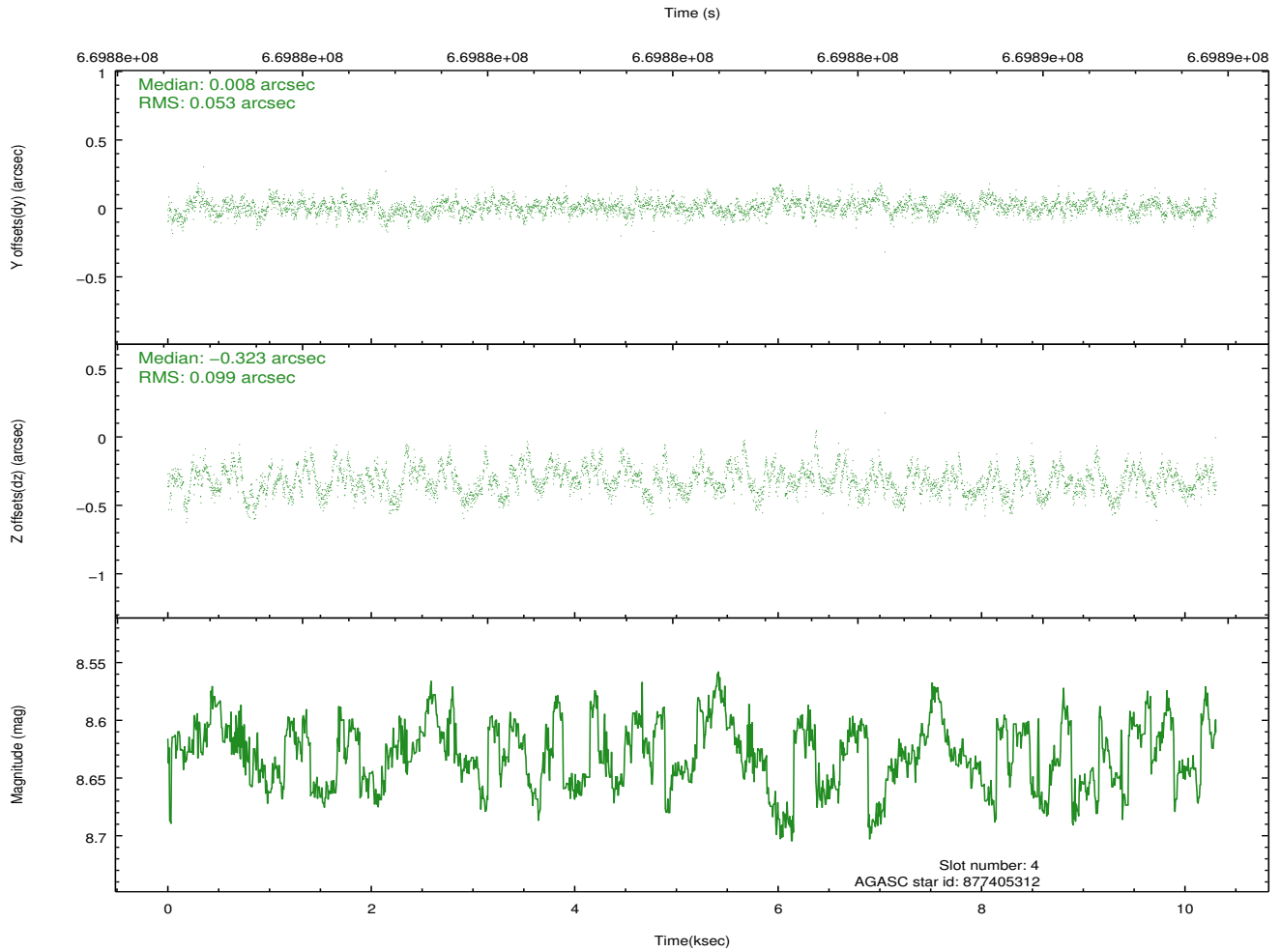
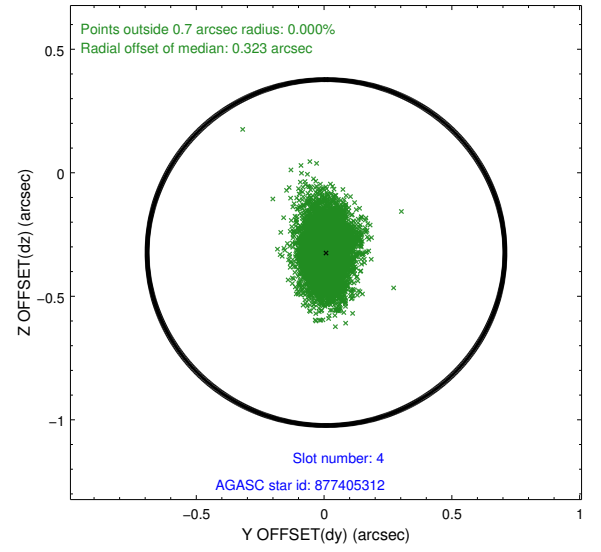
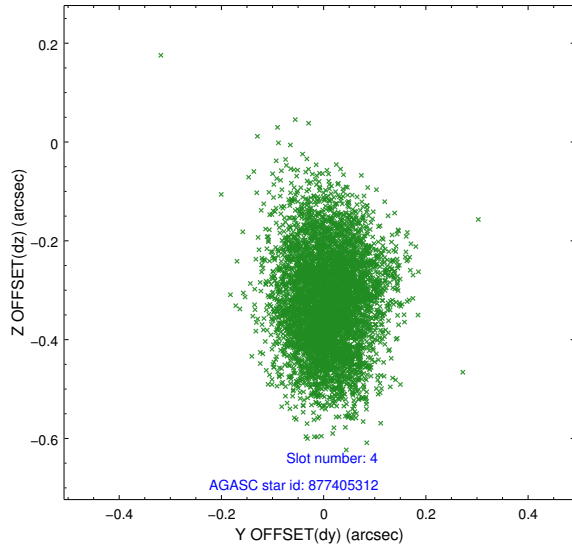
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.01	2515	1.000	-0.265	-0.140	0.019	0.028	0.000000	0.000000	-765.85	-1741
1	FID		ACIS-S-4	7.14	2515	1.000	0.703	0.167	0.007	0.013	0.000000	0.000000	2148.07	166
2	FID		ACIS-S-5	7.12	2512	1.000	-0.467	-0.016	0.018	0.027	0.000000	0.000000	-1818.33	160
3	GUIDE	used	877397944	8.27	5028	1.000	0.061	0.136	0.091	0.146	186.866018	-29.783145	-795.39	1094
4	GUIDE	used	877405312	8.63	5023	1.000	0.008	-0.323	0.117	0.198	186.998751	-29.399386	-211.18	2413
5	GUIDE	used	948178384	7.67	5025	1.000	-0.089	0.374	0.102	0.182	187.543527	-30.552339	942.48	-1920
6	GUIDE	used	948181264	8.41	5027	1.000	0.228	0.184	0.119	0.190	186.869568	-30.085182	-919.80	13
7	GUIDE	used	877405600	8.80	5021	1.000	-0.209	-0.383	0.126	0.207	187.350491	-29.444173	862.51	2112

2.4 Star Slots

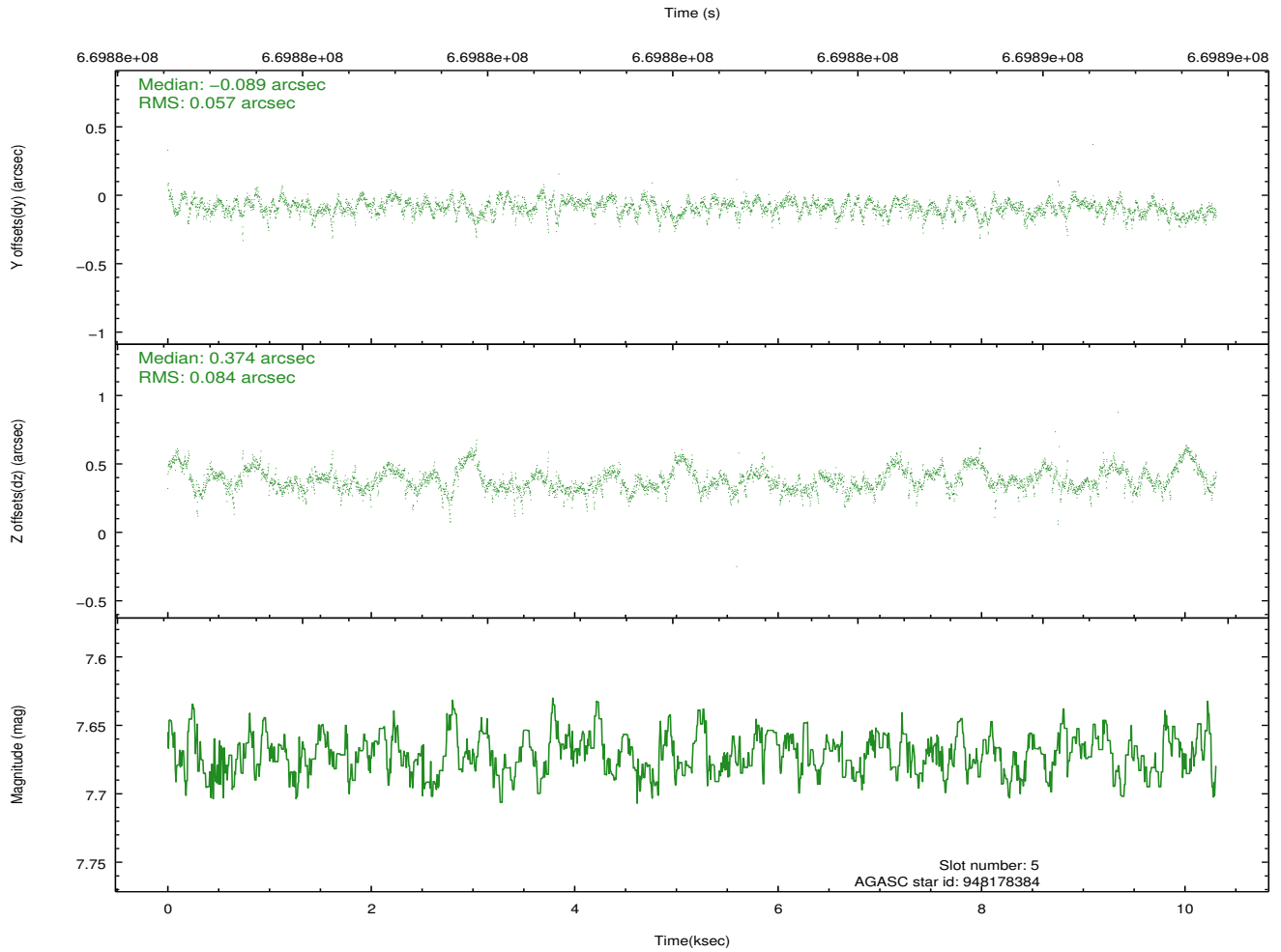
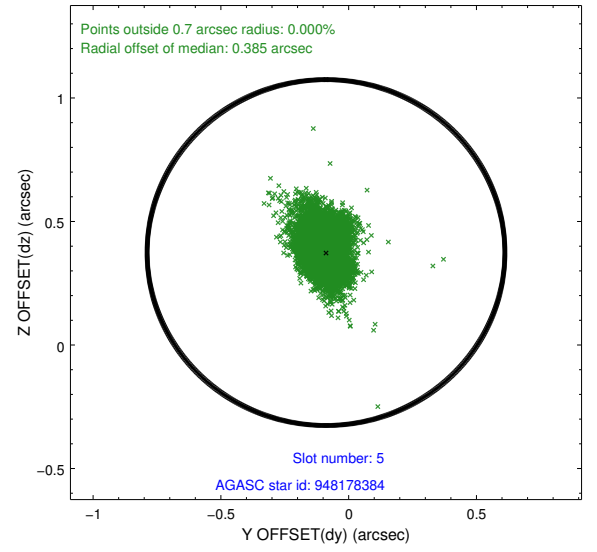
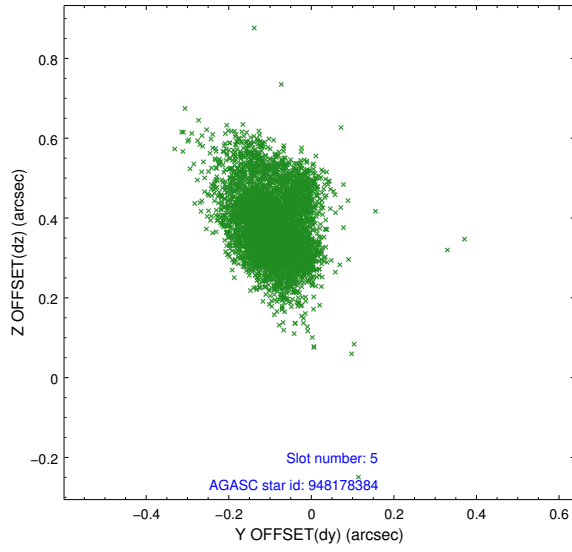
2.4.1 Slot 3



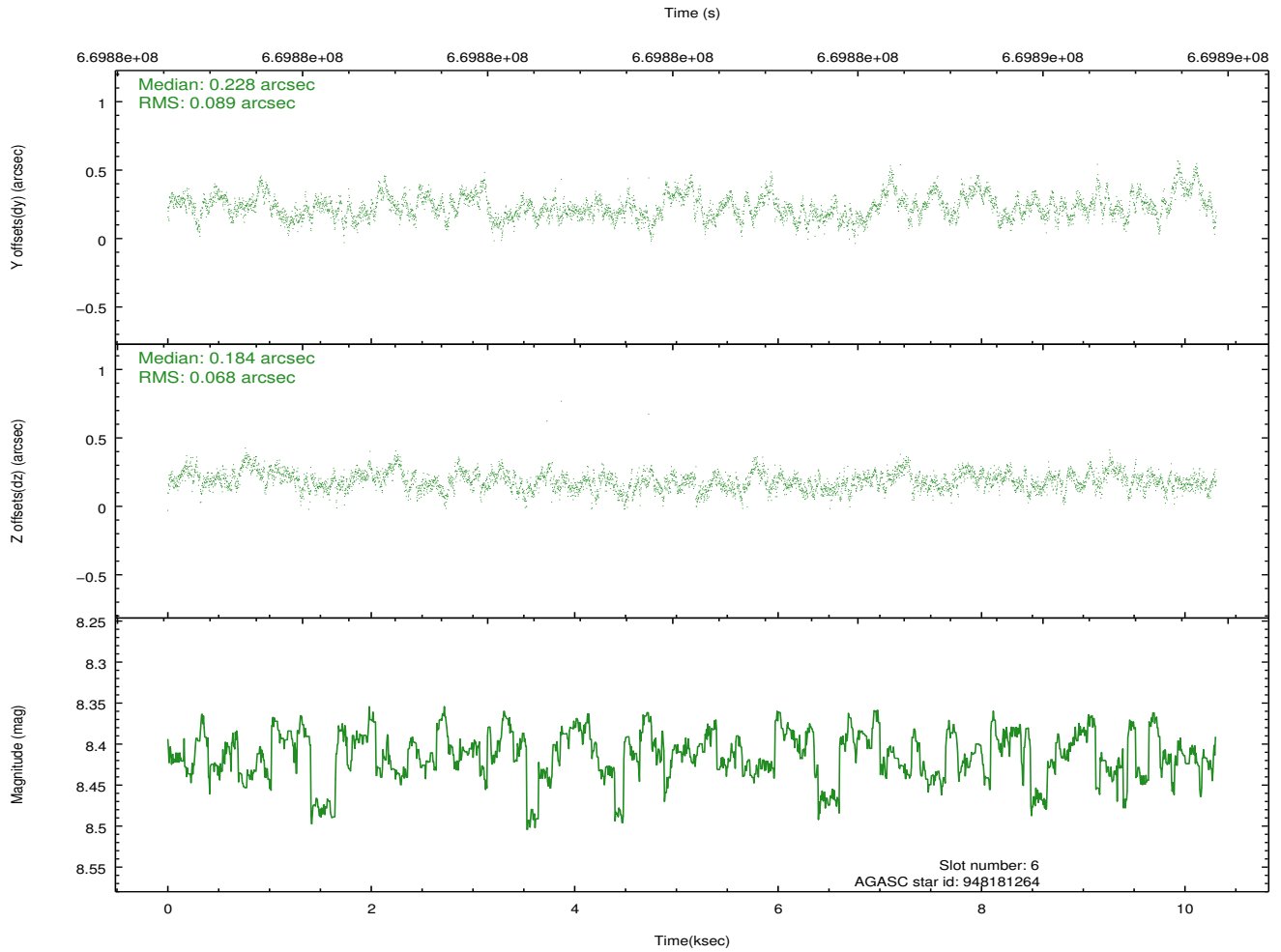
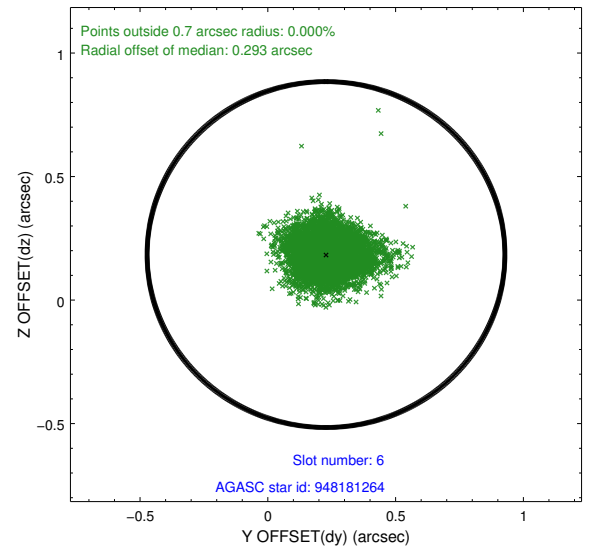
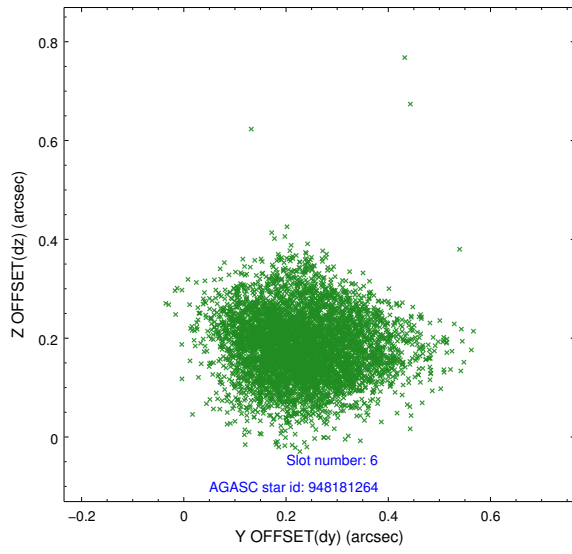
2.4.2 Slot 4



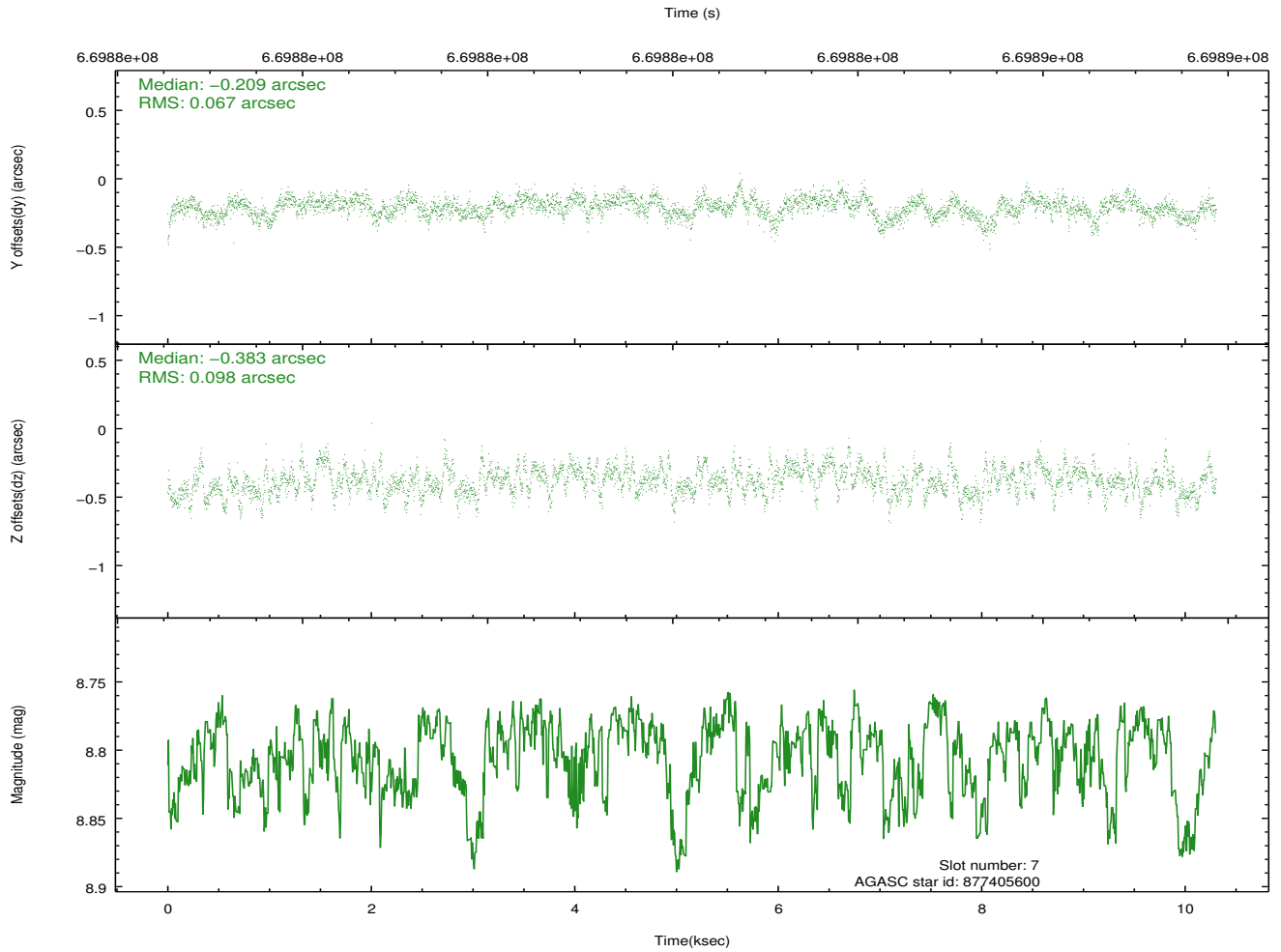
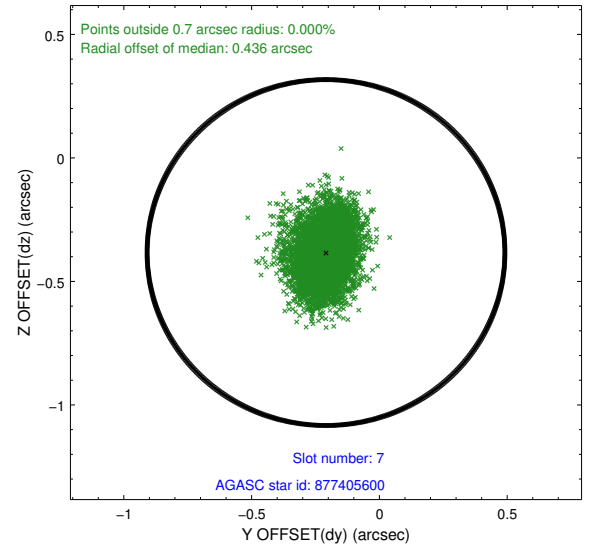
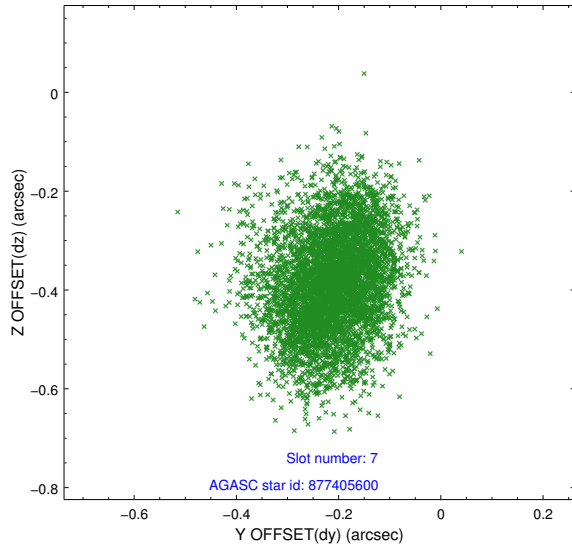
2.4.3 Slot 5



2.4.4 Slot 6

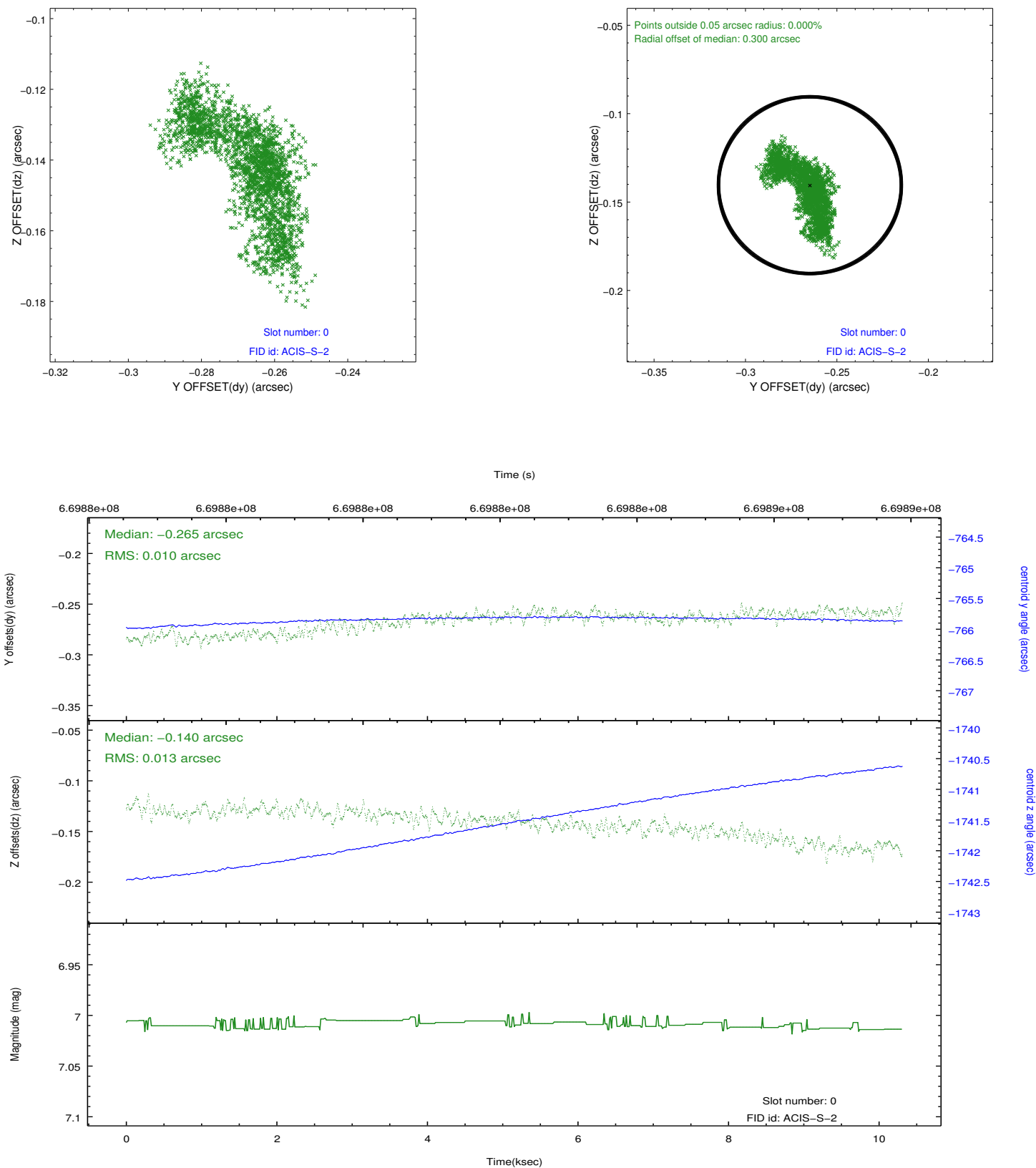


2.4.5 Slot 7

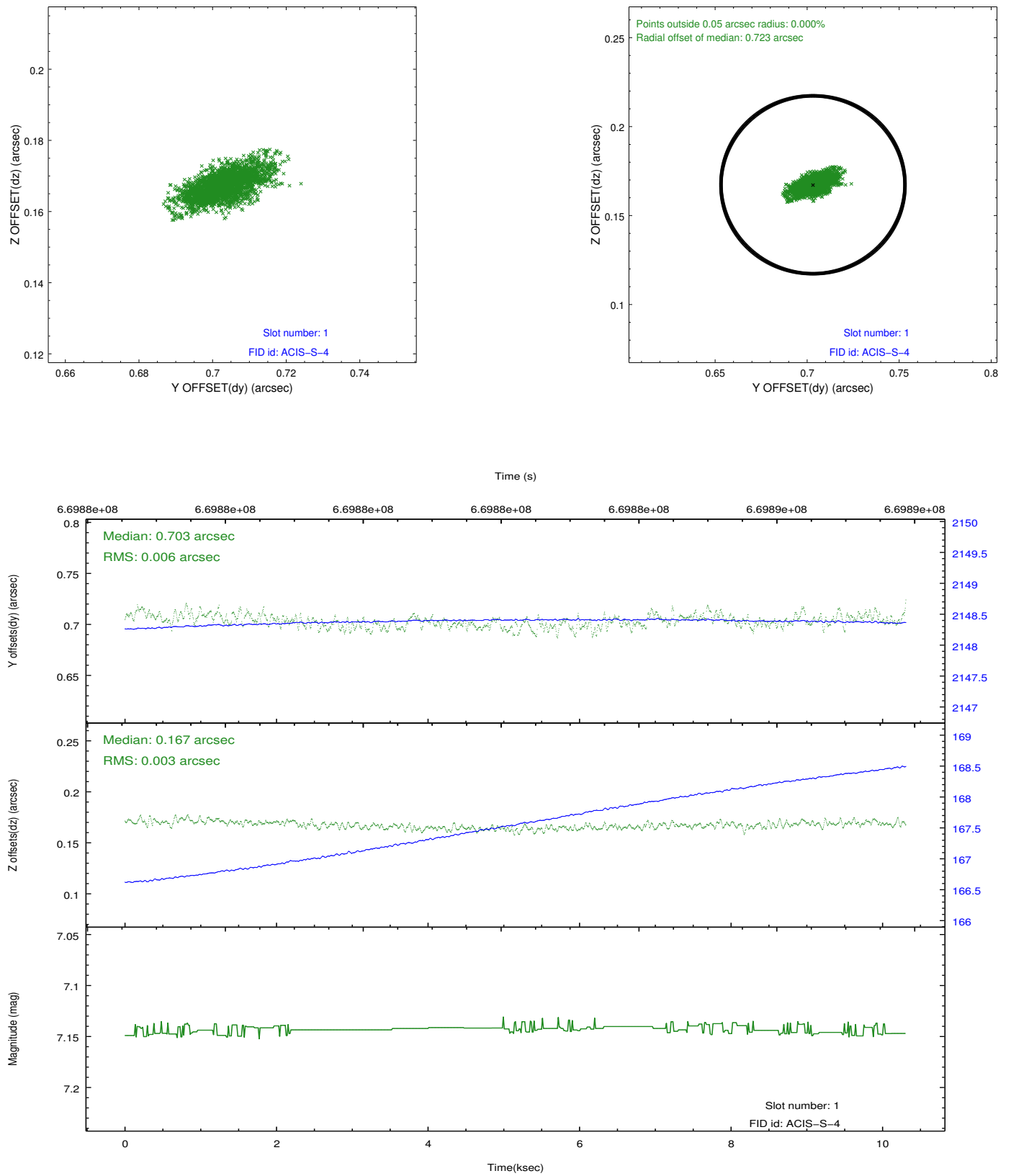


2.5 FID Slots

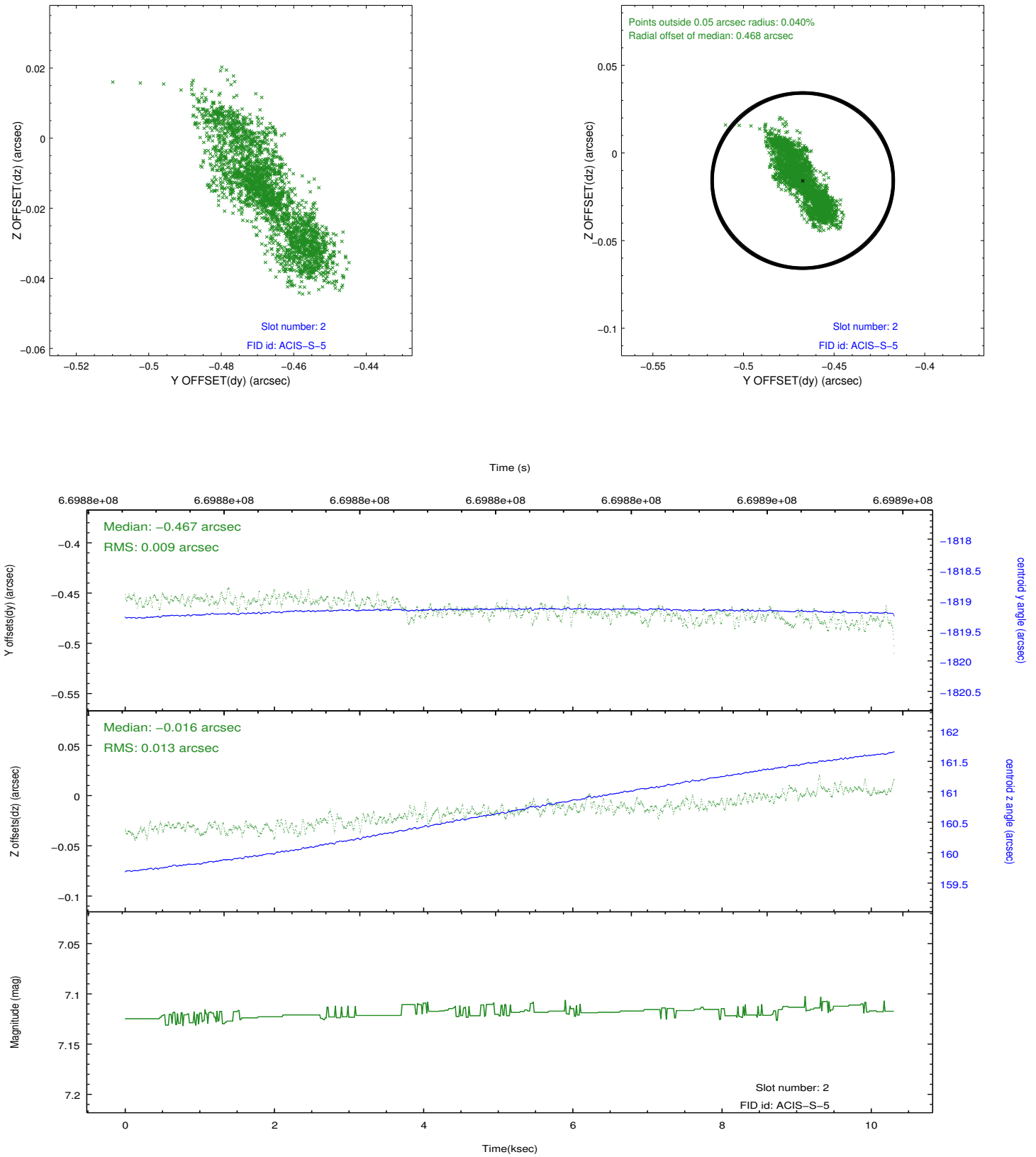
2.5.1 Slot 0



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)	2019.03.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.304099726915

A.2 Comments