

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4478 - L2 Version 3
Chandra X-Ray Center

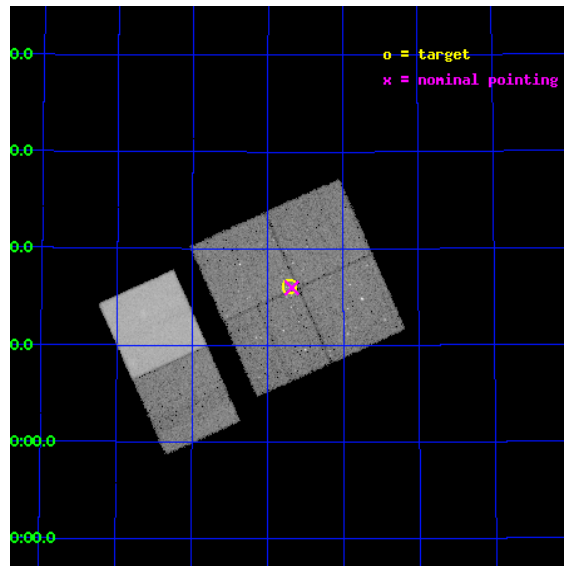
L2 Processing Date : Dec 10 2012

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1 Front

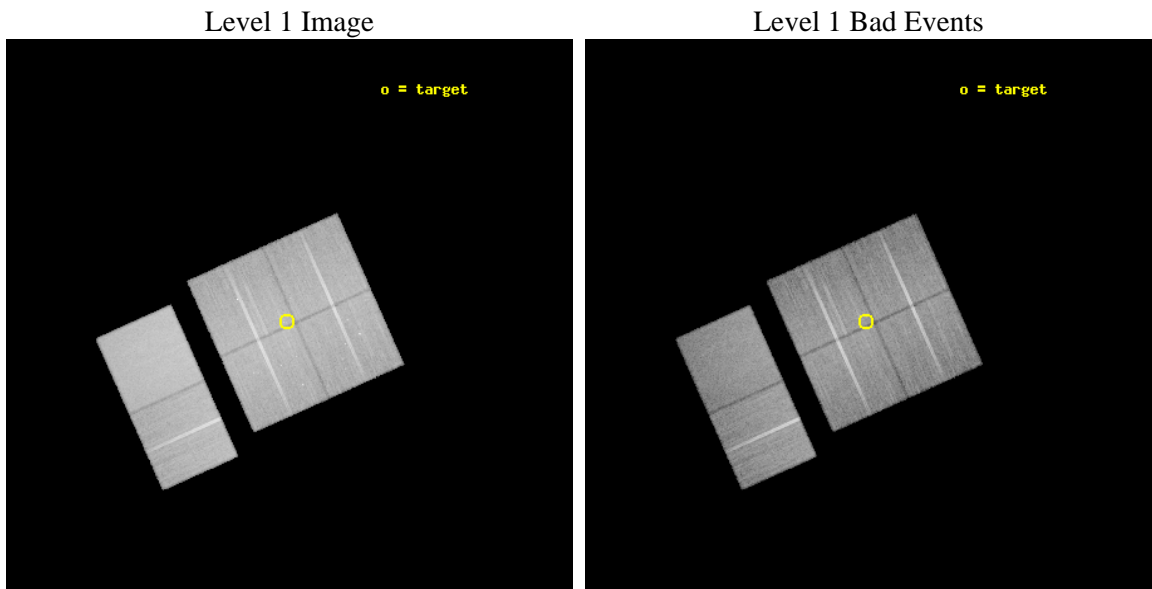
seq_num	200247	Sequence number
obs_id	4478	Observation id
title	Chandra study of the IC 1396-N globule and its neighborhood	Propos
observer	Professor Gordon Garmire	Principal investigator
object	IC 1396-N	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	325.176667	Observer's specified target RA [deg]
dec_targ	58.269361	Observer's specified target Dec [deg]
ra_nom	325.17021773751	Nominal RA [deg]
dec_nom	58.266174104982	Nominal Dec [deg]
roll_nom	245.87331253916	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29985.641466767	Sum of GTIs [s]
livetime	29605.945219329	Livetime [s]
ontime0	29985.518346786	Sum of GTIs [s]
ontime1	29982.318406463	Sum of GTIs [s]
ontime2	29982.359426588	Sum of GTIs [s]
ontime3	29985.641466767	Sum of GTIs [s]
ontime6	29985.723546773	Sum of GTIs [s]
ontime7	29985.68250677	Sum of GTIs [s]
l2events	253839	Number of level 2 events



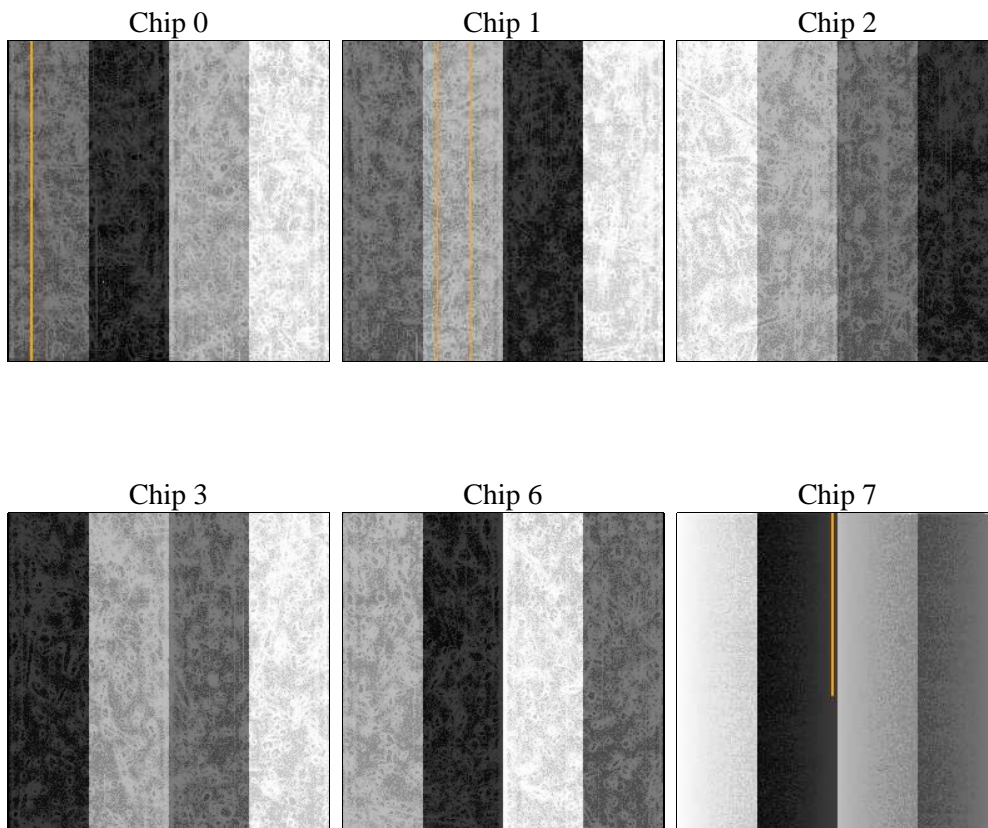
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	29985.641466767	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	29985.518346786	Sum of GTIs [s]
date	2012-12-10T10:04:31	Date and time of file creation	ontime1	29982.318406463	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	29982.359426588	Sum of GTIs [s]
			ontime3	29985.641466767	Sum of GTIs [s]
			ontime6	29985.723546773	Sum of GTIs [s]
			ontime7	29985.68250677	Sum of GTIs [s]
			l1events	1481207	Number of level 1 events

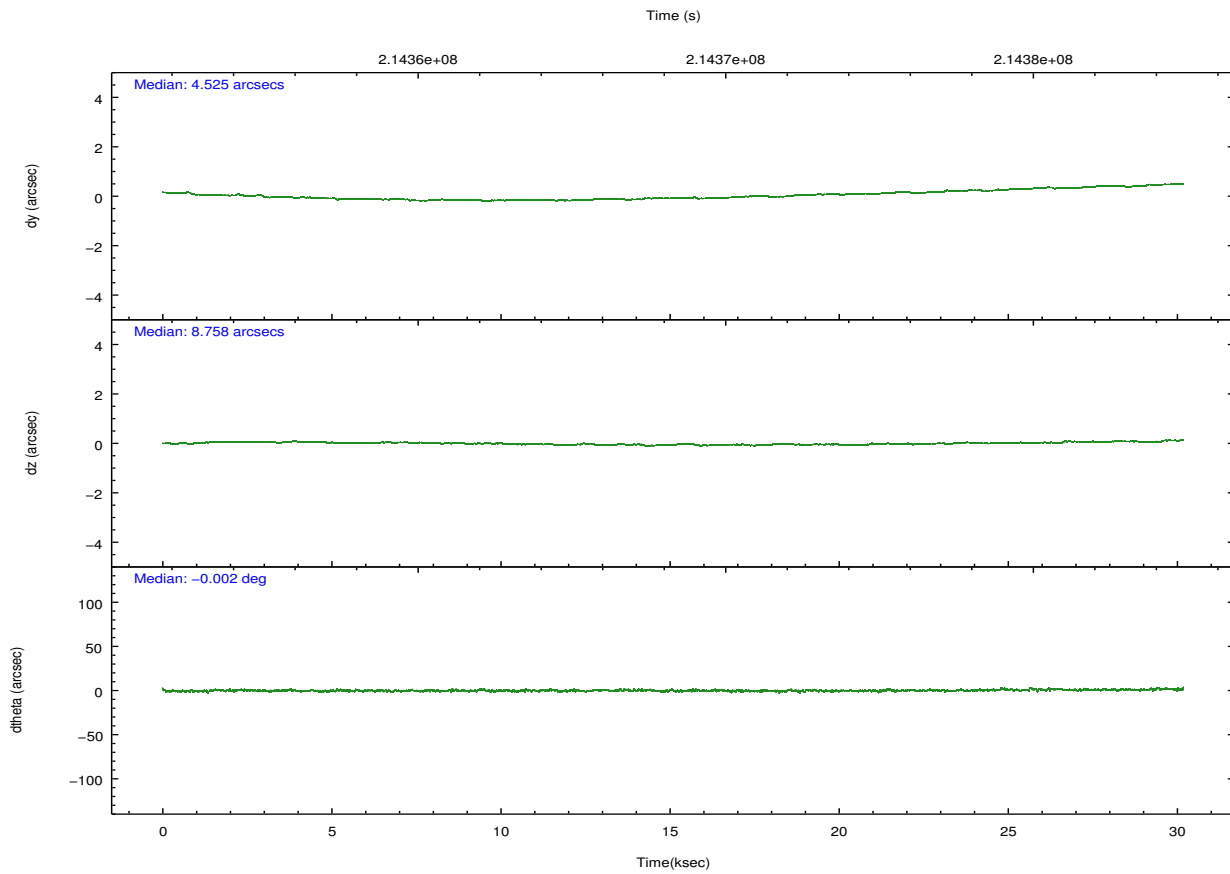
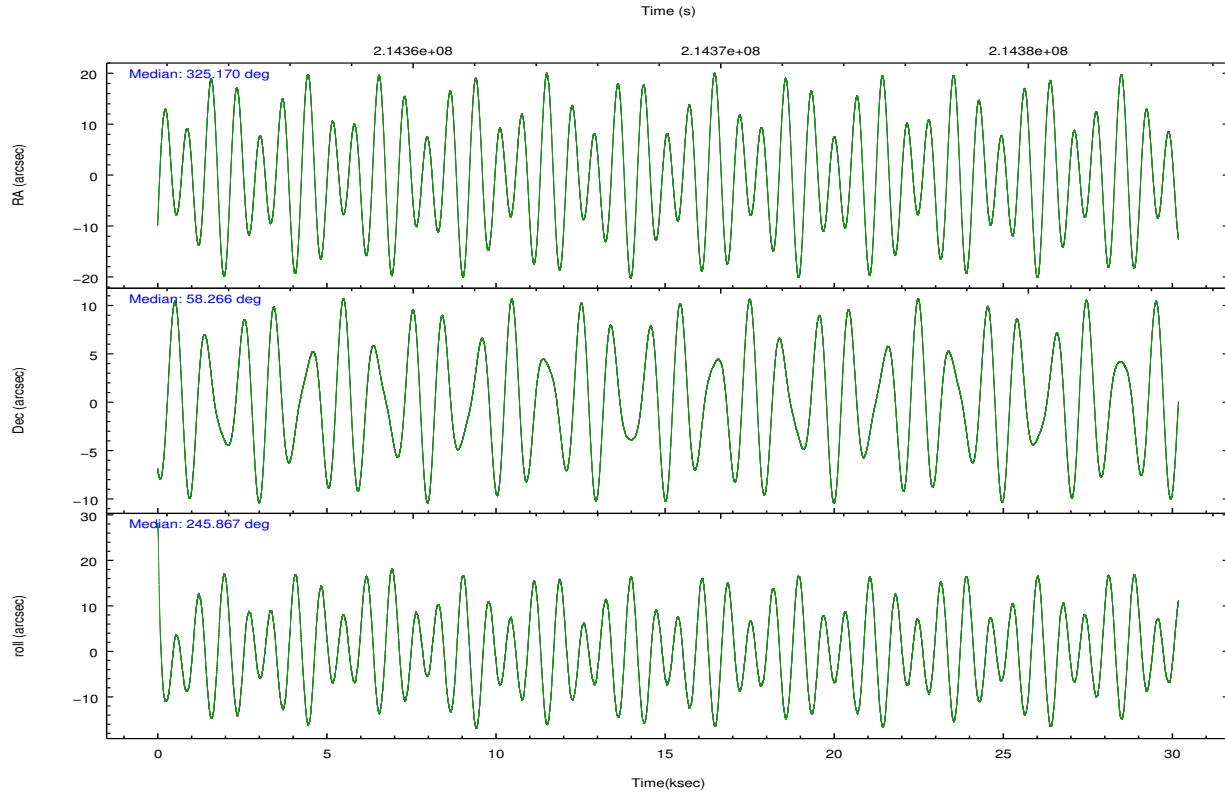
2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	222222	218246	241468	234138	246397	318736	grade 0 events	13807	11577	12847	12790	10794	11544
rejected events	191849	188810	213111	205604	218399	186803		6%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	87%	88%	58%	grade 1 events	140	107	160	155	127	318
								0%	0%	0%	0%	0%	0%
							grade 2 events	6150	6463	5822	5413	6090	26348
								2%	2%	2%	2%	2%	8%
							grade 3 events	2848	2865	2540	2756	2731	11799
								1%	1%	1%	1%	1%	3%
							grade 4 events	2696	2780	2697	2704	2607	11580
								1%	1%	1%	1%	1%	3%
							grade 5 events	9646	10155	9117	10476	10886	30618
								4%	4%	3%	4%	4%	9%
							grade 6 events	4876	5755	4452	4872	5782	70679
								2%	2%	1%	2%	2%	22%
							grade 7 events	182059	178544	203833	194972	207380	155850
								81%	81%	84%	83%	84%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	325.164671	325.1702177375116	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.293432	58.26617410498244	Alternating exposures requested	N	N
[deg] Pointing Roll	245.669347	245.8733125391619	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	214353380.184000	214352406.0168			
Observation start date	2004-10-16T22:35:16	2004-10-16T22:20:06			
[s] Observation end time (MET)	214383380.184000	214384162.56822			
Observation end date	2004-10-17T06:55:16	2004-10-17T07:09:22			
Read mode	TIMED	TIMED			

2.3 Aspect



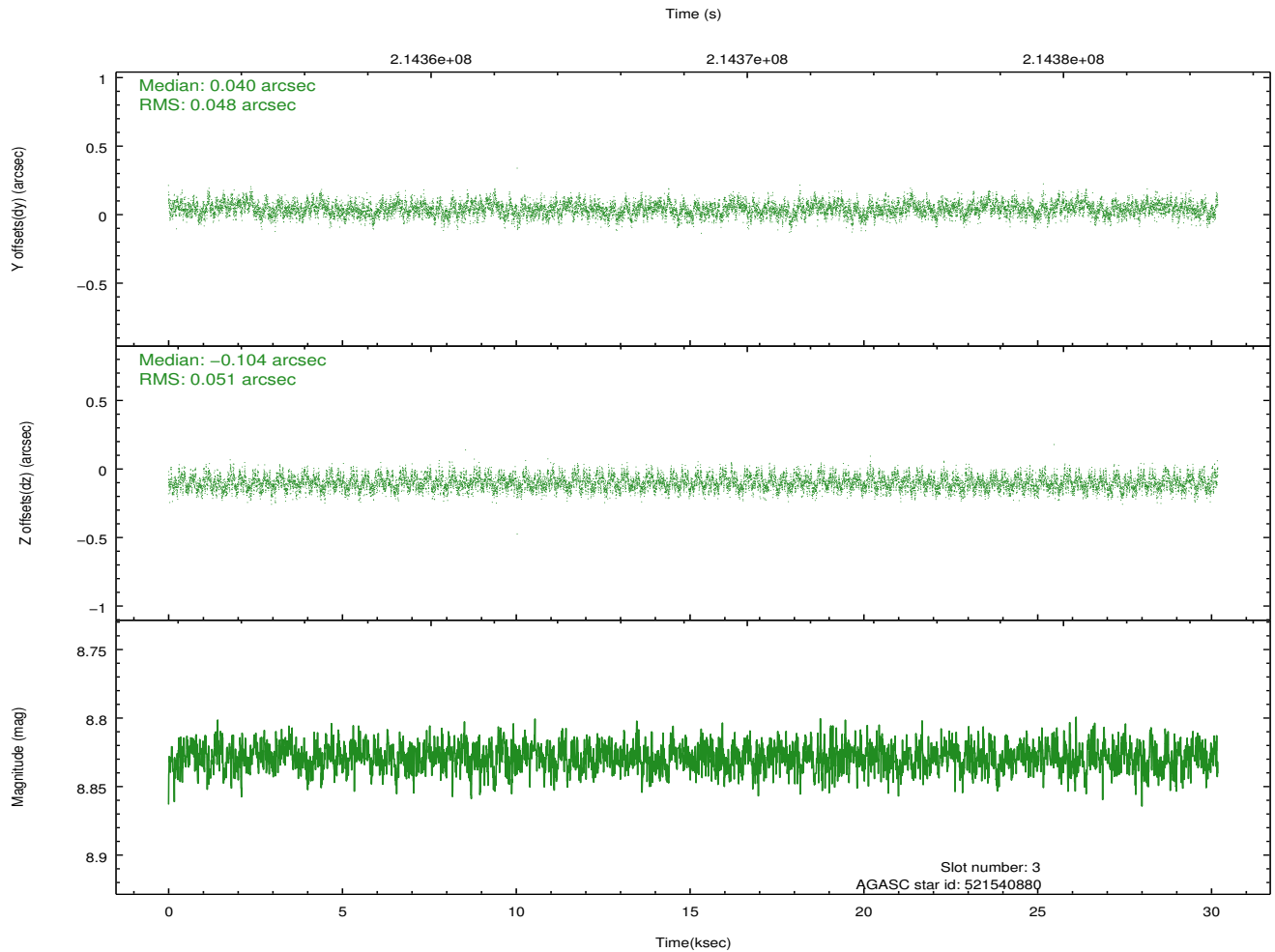
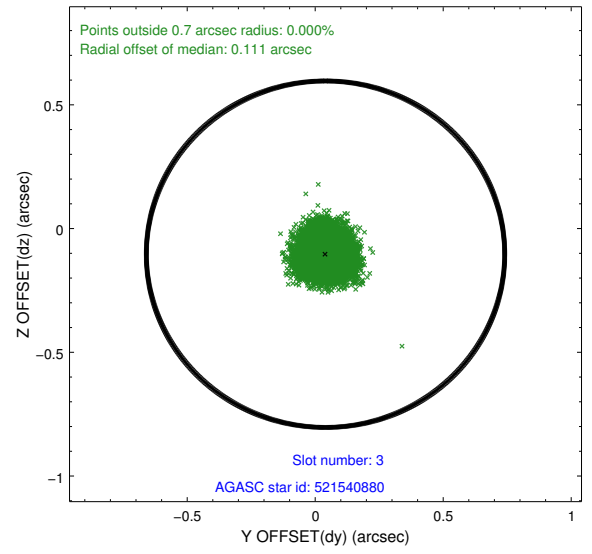
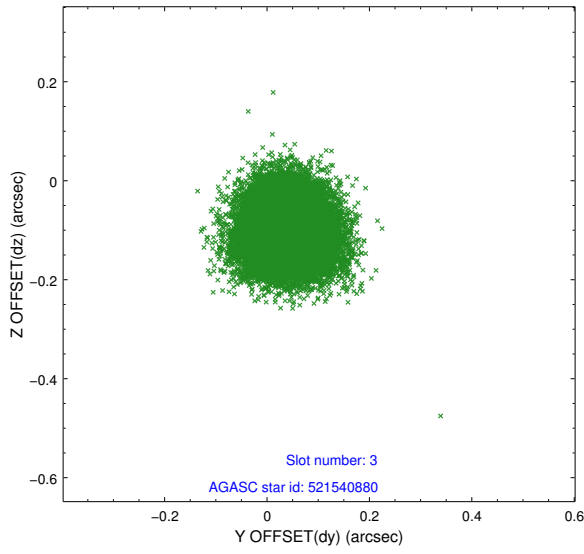
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.13	7359	-0.066	-0.068	0.014	0.025	0.000000	0.000000	-759.06	-838.63
1	FID	ACIS-I-4	7.17	7362	0.156	0.062	0.022	0.041	0.000000	0.000000	2155.18	1067.64
2	FID	ACIS-I-5	7.22	7363	-0.188	0.075	0.016	0.027	0.000000	0.000000	-1812.91	1065.58
3	GUIDE	521540880	8.83	14718	0.040	-0.104	0.075	0.117	325.493874	58.500057	-933.86	257.14
4	GUIDE	521544968	9.06	14719	0.045	0.030	0.078	0.126	325.922077	58.239799	-422.49	1384.15
5	GUIDE	521012392	9.11	14717	0.191	0.063	0.100	0.162	323.590514	58.057896	1976.80	-2396.22
6	GUIDE	521011352	8.96	14719	0.017	0.042	0.073	0.117	324.841297	57.653322	2355.52	381.61
7	GUIDE	521543600	7.99	14722	-0.291	-0.033	0.072	0.116	324.133316	58.710999	-588.24	-2382.29

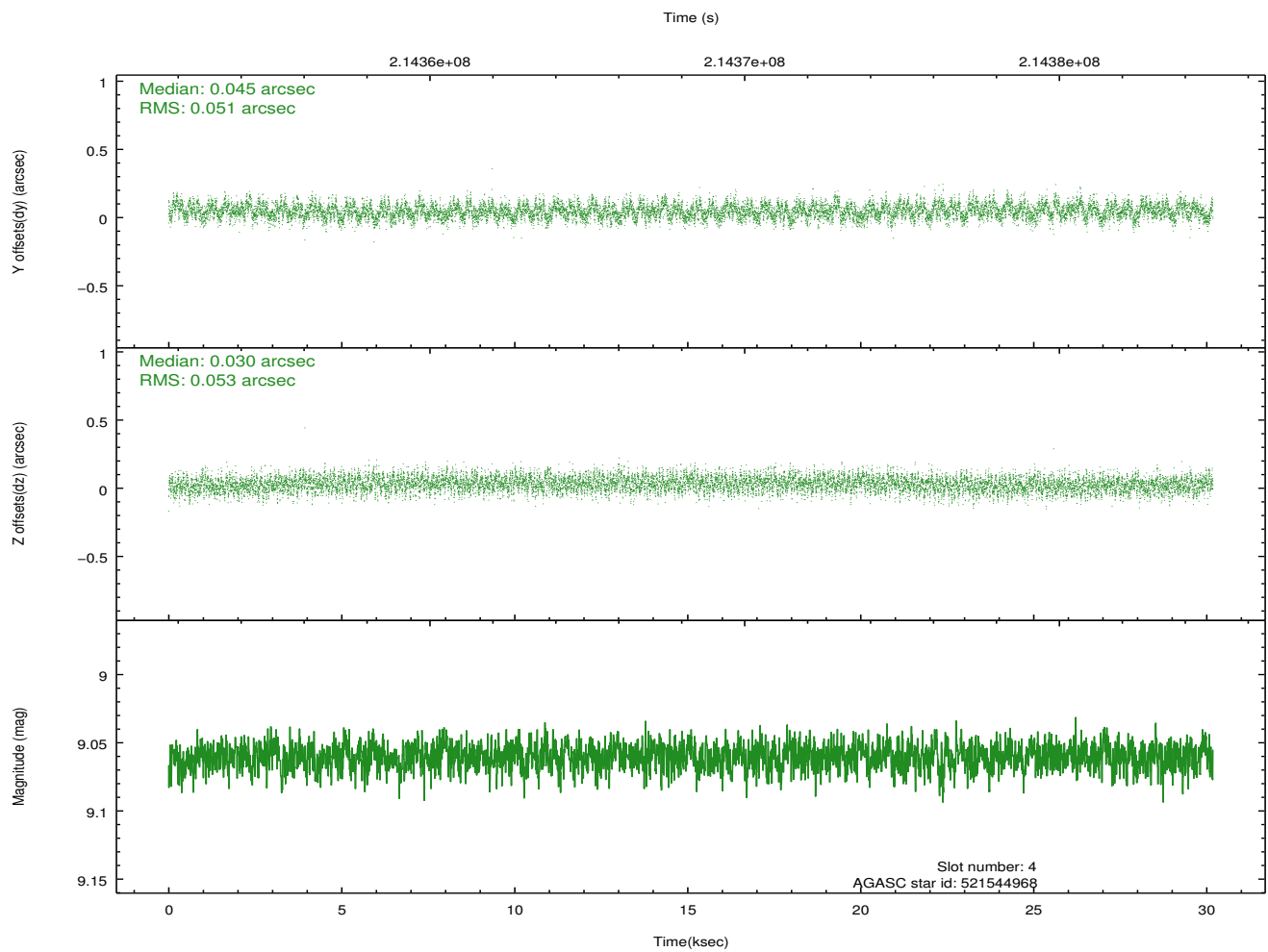
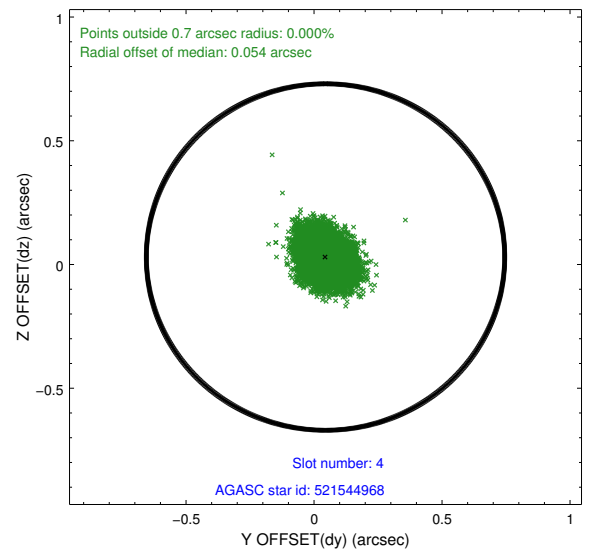
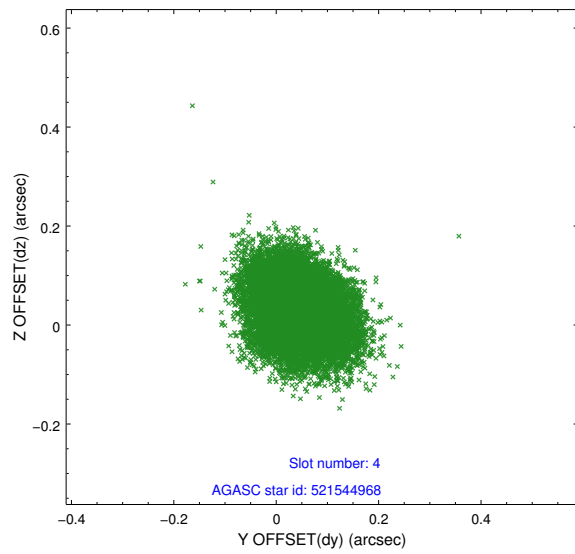
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2.4 Star Slots

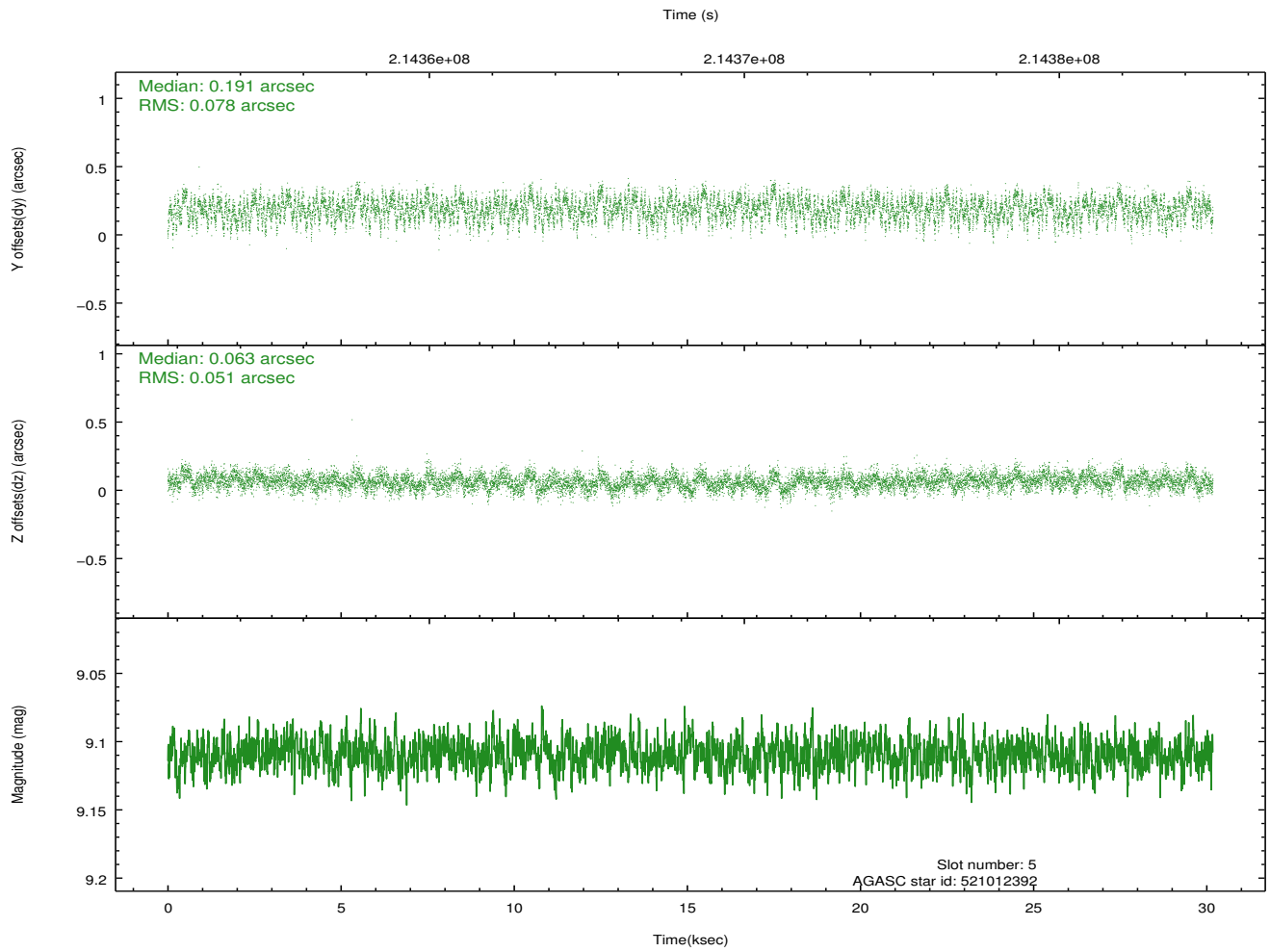
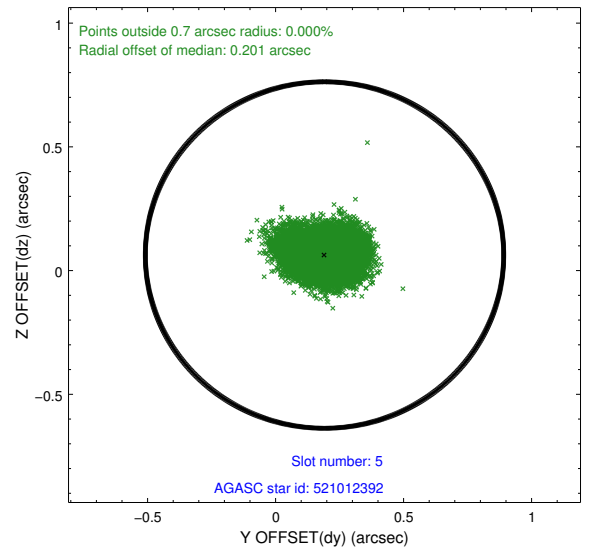
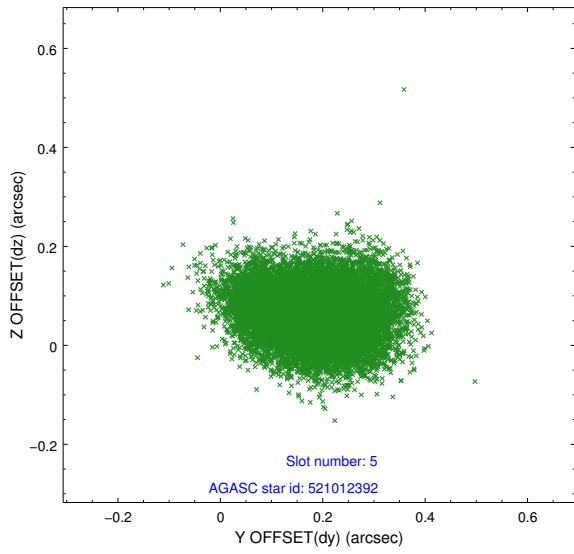
2.4.1 Slot 3



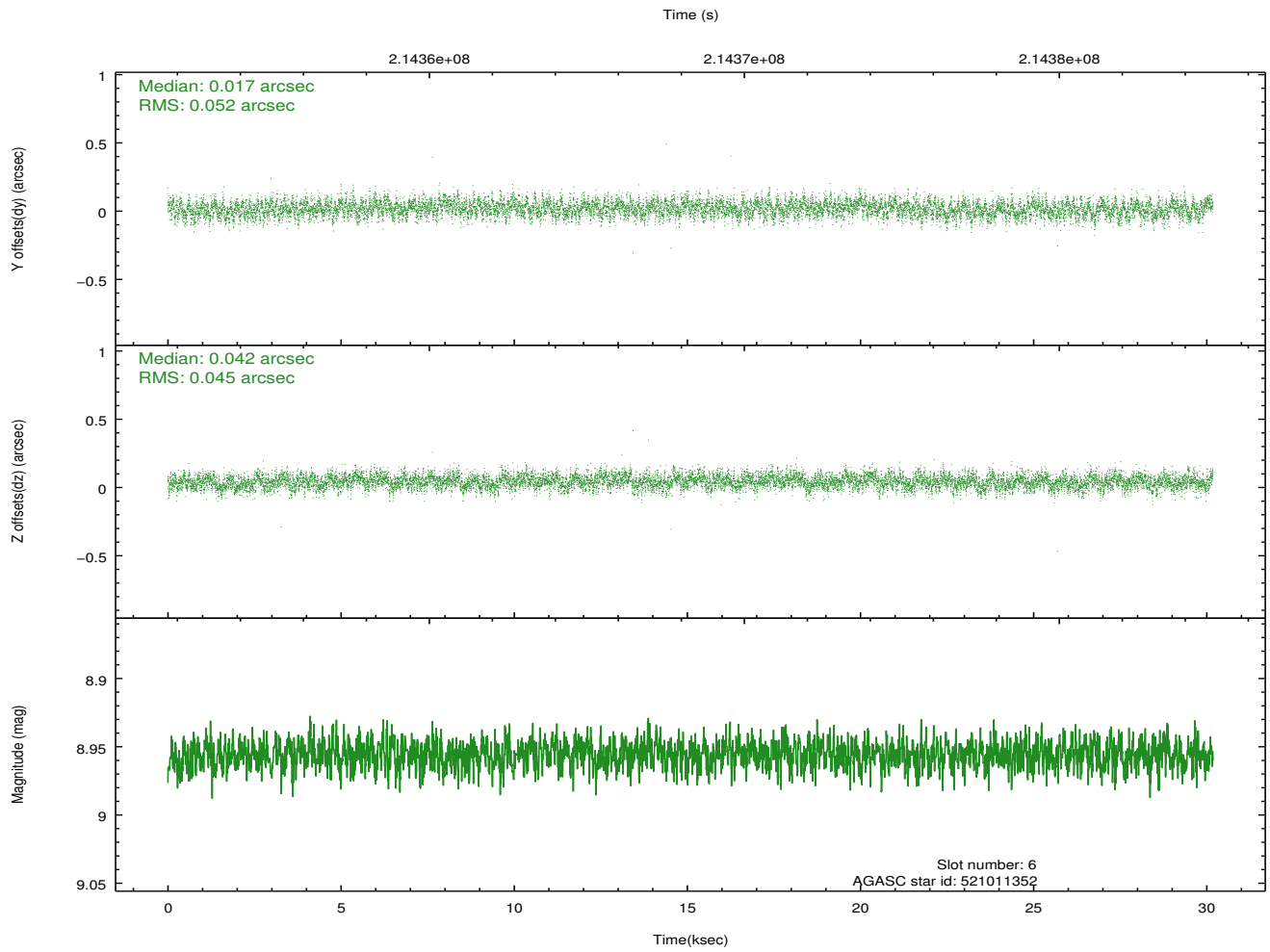
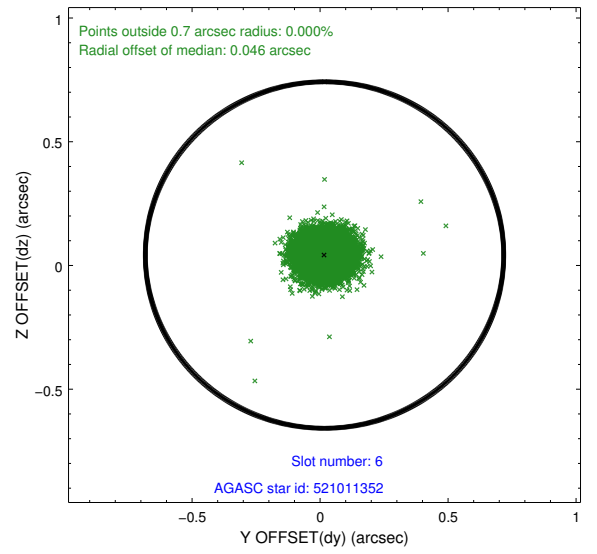
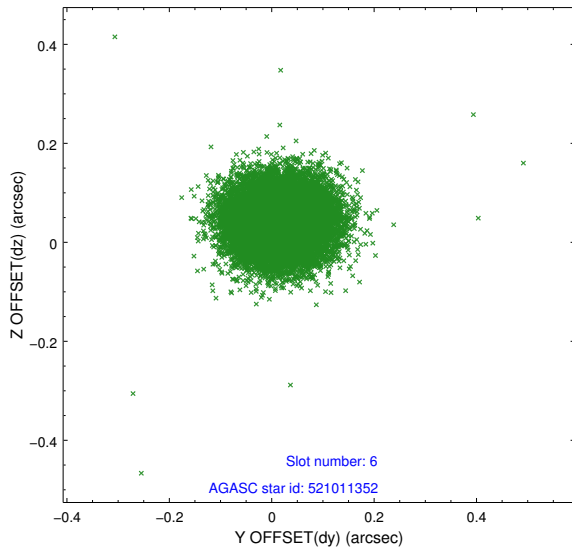
2.4.2 Slot 4



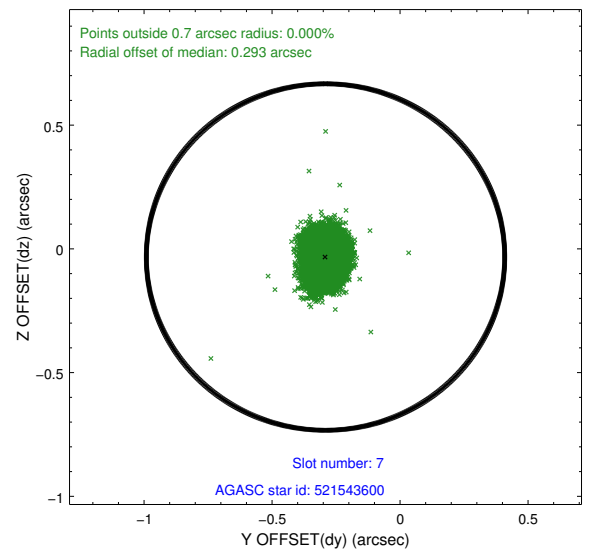
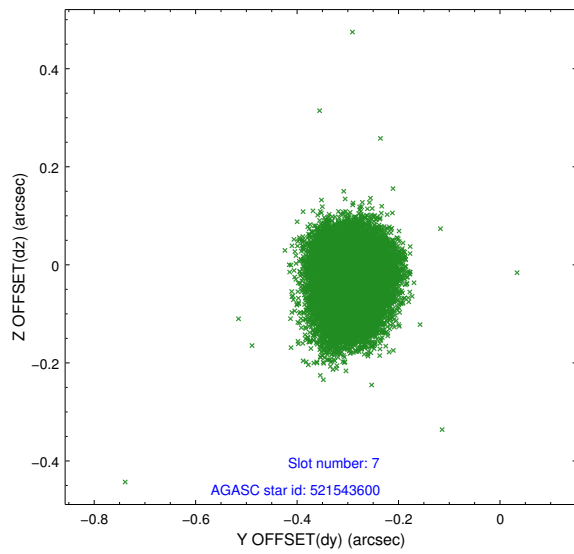
2.4.3 Slot 5



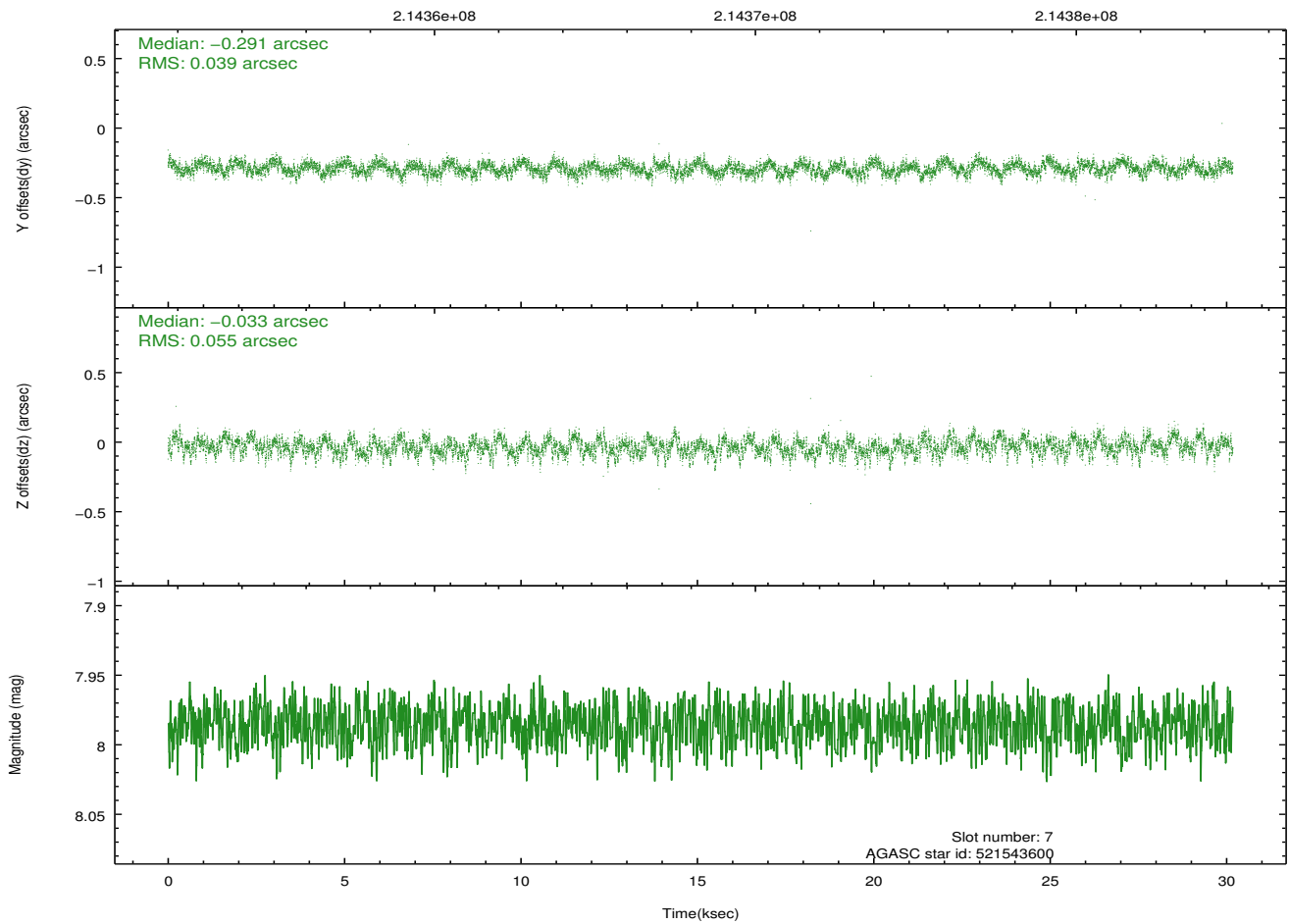
2.4.4 Slot 6



2.4.5 Slot 7

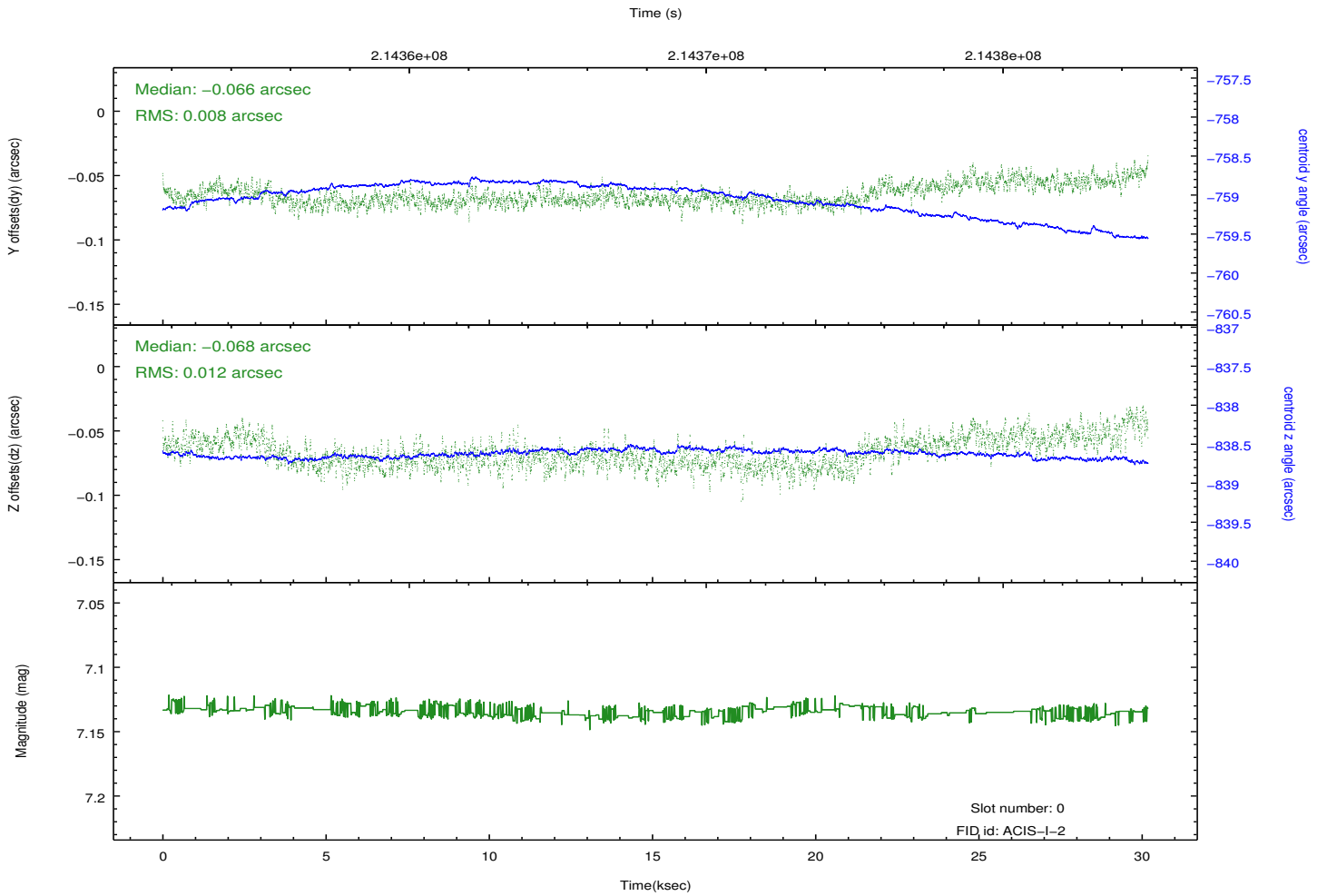
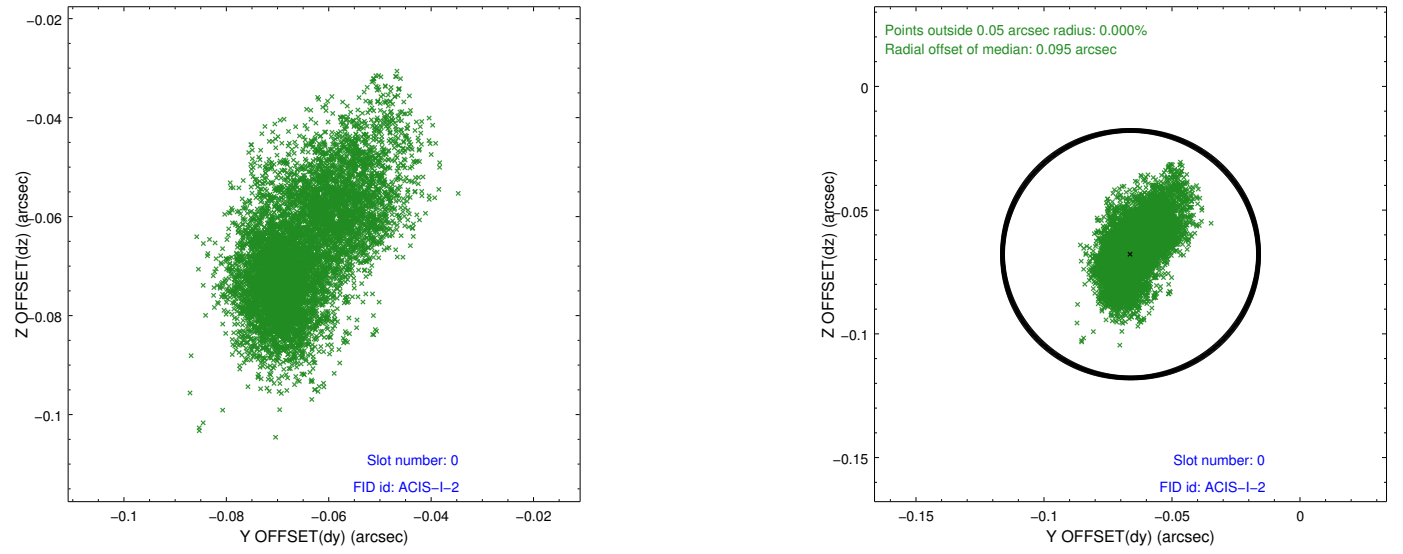


Time (s)

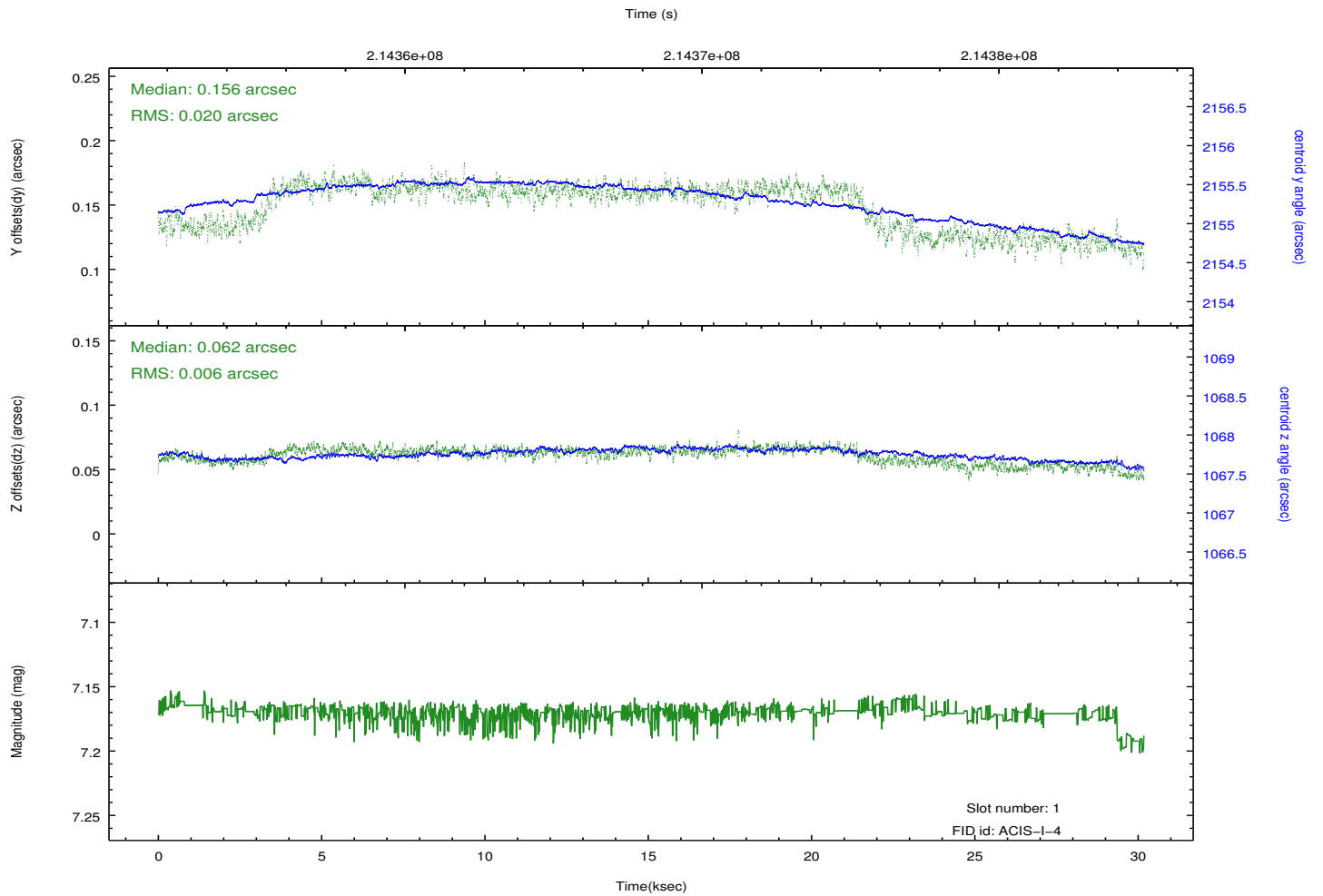
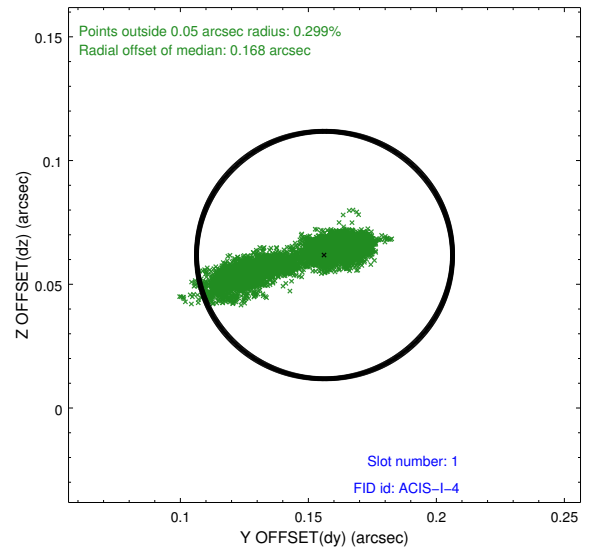
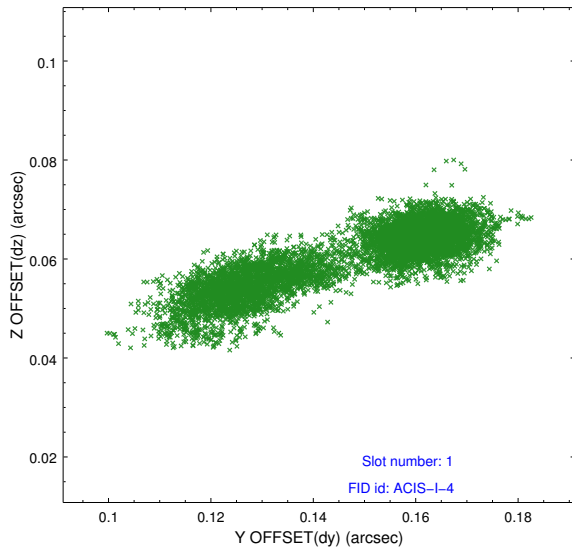


2.5 FID Slots

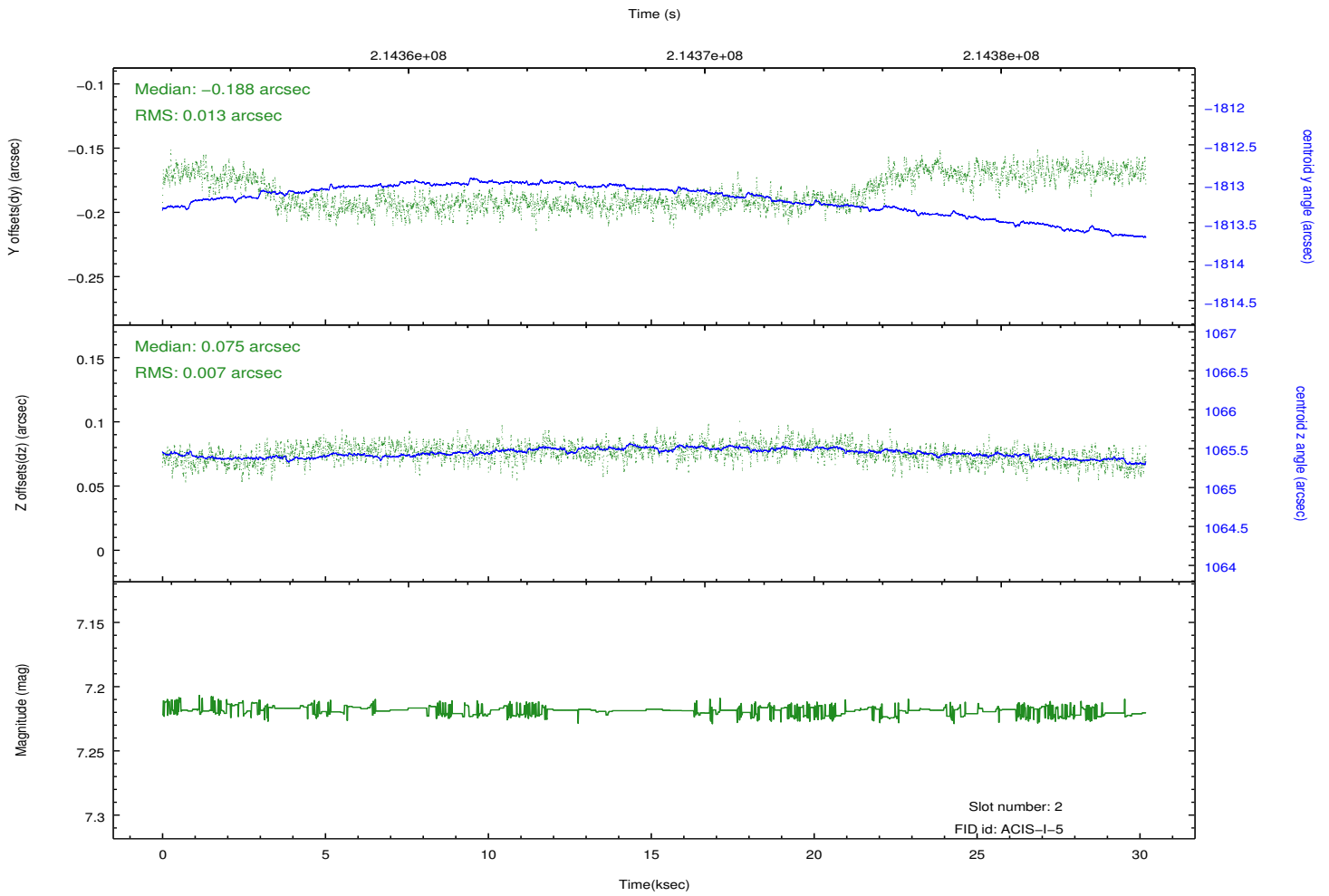
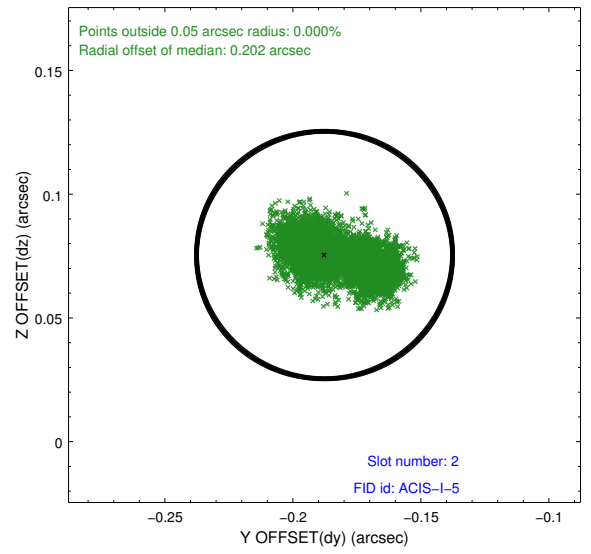
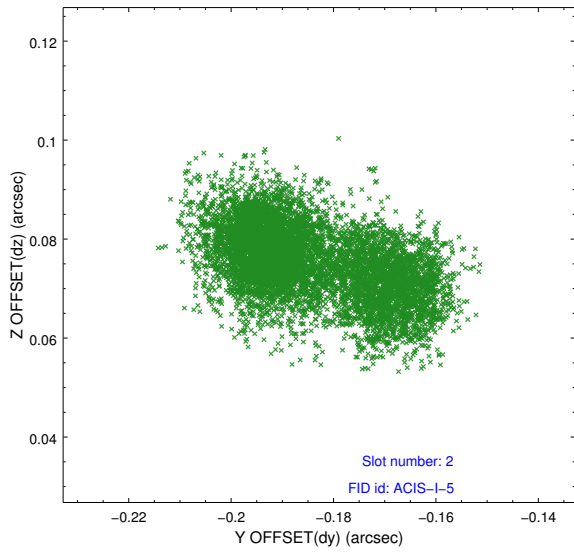
2.5.1 Slot 0



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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.987

A.2 Comments