e-Callisto Instrument status

Version 8.8, 2023-11-14

Country	Location	Latitude N>0	Longitude E>0	Institution/University RA = radio amateur	Contact email	ITU Region	CRAF Member	Instruments delivered	Sent data a few files	Send data regularly	Instrument ID	Antenna	Frequency coverage
Albania				Metalurgjik Cherrik	enaitameri(at)yahoo.com	1	3	1	1	0	NA168		
Algeria	Boumerdes	36.75	3.04	CRAAG Algiers	enaitameri(at)yahoo.com	1	3	1	1	1	NA167, FC=59	LPDA CUP-3130	45-870 MHz
Australia	Blair/Gray	-34.665	139.639	ASSA	Blair Ladle, Peter Gray ASSA	1	3	1	1	1	IC14, FC=59	?	?
Australia	Victoria	-36.80400385	144.67900351	MANO/Jaff	thomas.raffaele(at)bigpond.com	1	3	1	1	1	IC23, NA003, FC=59	LPDA	45-870 MHz
Australia	Blair Athol/Adelaide			Blair Ladle	blairjlat)battcanet.net.au	1	3	1	1	1	IC42, FC=60	LPDA+tracker	300-890 MHz
Australia	Peter Gray	-34.665	139.639	ASSA	weaksignals(at)iinet.net.au	1	3	1	1	1	IC256, FC=60	LWA	10-90 MHz
Australia	Blair Ladle	-34.665	139.639	ASSA	blairjlat)battcanet.net.au	1	3	1	1	0	IC201, FC=61	LWA	10-90 MHz
Austria	Michelbach	48	15.39999962	RA Fritz Lemoch	oe3ffl(at)gmx.at	1	3	1	1	2	One self built, IC31 from Karl-Heinz, FC=55/57	LPDA, 3-band dipole	20-80 MHz, 310-795 MHz
Austria	Michelbach	48	15.39999962	RA ANTARES	oe3ffl(at)gmx.at	1	3	1	1	1	Power kit NA024	LPDA	?
Austria	Graz	47.09999847	15.5	University	manuela.temmel(at)uni-graz.at	1	3	2	1	1	IC59, IC384, FC=61	crossed LPDA	45-81 MHz, 45-870 MHz
Austria	Krumbach	47.21000289	9.550000191	RA Paul Baumgartner	pbaumgla(at)gmail.com	1	3	1	1	1	IC1 provided by OE3FLB, FC=10	in testing phase	45-870 MHz
Austria	Krumbach	47.29000092	9.550000191	RA Paul Baumgartner	pbaumgla(at)gmail.com	1	3	1	0	0	IC186	?	?
Belgium	Humain	-50.19180054	5.255388737	ROB	christophe.marqué(at)oma.be	1	3	2	1	1	IC09, IC14	Dish 5m	45-435 MHz
Brazil	Cachoeira Paulista	-22.69	-45	INPE	bhnishimura.sousa(at)inpe.br	2	3	2	2	2	IC20, IC28	LPDA linear polarization V, H	45-870 MHz
Bulgaria	Rozhen	41.533	24.4333	NAO8	kamen.kozarev(at)gmail.com	1	3	1	1	0	IC83	LPDA	?
China	?	25.1054927	121.597366	3DScience	yaochen(at)sdu.edu.cn	3	5	4	0	0	NA020, NA021, NA022, NA023	?	?
Costa Rica	San Jose	10	84	UNESPA	fronvel(at)fisica.ucr.ac.cr	1	3	1	1	0	IC02	Dish ?	?
Croatia	Vilinjan	?	?	Znanstveno edukacijski centar Vilinjan	dankotat(at)gmx.hr	1	3	1	1	0	IC186 (refurbished)	?	?
Czech Republic	Ondrejov	49.7	14.5	ASU	pavel.jiricka@asu.cas.cz	1	3	1	1	0	IC12	Dish 7m	?
Denmark	Copenhagen	55.8	12.5	DTU	jensa(at)space.dtu.dk	1	3	1	1	1	NA028	LWA	10-105 MHz
Denmark	Copenhagen	55.8	12.5	DTU/NSIE	jensa(at)space.dtu.dk	1	3	1	1	1	NA039	LWA	10-105 MHz
Denmark	Greenland	66.97000122	-50.95000076	DTU/NSIE	isogreenland(at)gmail.com	1	3	1	1	1	IC38	LWA	10-105 MHz LHCP
Denmark	Greenland	66.97000122	-50.95000076	DTU/NSIE	isogreenland(at)gmail.com	1	3	1	1	1	IC40	LWA	10-105 MHz RHCP
Egypt	Cairo	30.0	31.4	NRIAG	HassanHosni.Elsharif(at)science.helwan.edu.eg	1	3	1	1	0	IC33, FC=61	LPDA	?
Egypt	Alexandria	30.8	29.5	Egypt-Japan University of Science and T	hyman.mahrous(at)ejust.edu.eg	1	3	2	1	1	IC135, IC178	LWA	10-80 MHz LHCP, RHCP
Egypt	Cairo	30.0333	31.233	Egypt Space Agency	amira.salloumahia(at)EGSA.GOV.EG	1	3	1	1	1	IC142 + LNA3000-4	LPDA	45-870 MHz
Ethiopia	Addis Ababa	9.025403	38.763611	MU	semubin.melkie(at)gmail.com	1	3	1	1	0	IC59	LPDA	?
Ethiopia	Mekelle	12.56000043	39.5	MU	tesfayephysics(at)gmail.com	1	3	1	0	0	CR #87 (NA-version) + LNA31	LPDA	45-870 MHz
Finland	Metsähovi	60.2	24.4	MIKO	sun-metsahovi@aalto.fi	1	3	2	2	2	IC34, IC35	LPDA	45-870 MHz
Finland	Metsähovi	60.2	24.4	MIKO	sun-metsahovi@aalto.fi	1	3	2	2	2	IC37, IC38, IC115	LPDA linear 90°, 0°/90°	45-230 MHz
Finland	Stuntsi observatory	60.1	24.2	Juha Kallunki	juha.m.kallunki(at)gmail.com	1	3	1	1	1	IC???	Discone	10-80 MHz
France	?	?	?	UPCI/CNRS	ed	1	3	0	0	0	NA035	?	?
Germany	Essen	51.39379883	6.970000029	RA JoshuaPlassmann	do1osa(at)arcor.de	1	3	0	0	0	n/a	BICONE	20-80 MHz
Germany	Neustrelitz	53.36	13.07	DLR	Lutz.Heinrich(at)dlr.de	1	3	1	1	1	IC124, FC=61	LPDA	1000-1600 MHz
Germany	Neustrelitz	53.36	13.07	DLR	Lutz.Heinrich(at)dlr.de	1	3	14	1	1	IC153 - IC164	?	10 - 1600 MHz in dif. Bands
Germany	Hildesheim	52.14000153	9.960000038	RA Fred Kopsy	fred.kopsy(at)bokelmuehl.de	1	3	1	0	0	IC98	?	?
India	Gauribidanur	13.6	77.5	RA	ramesha(at)iiap.res.in	1	3	1	1	1	IC16, FC=59	LPDA	45-410 MHz
India	Nashik	20.00774956	73.77984674	HTHM	answerme(at)yahoo.com	1	3	1	1	1	IC17, FC=59	LPDA	45-150 MHz
India	Ooty	11.38222218	76.66721007	NCRA-TIFR	manoj.raj(at)gmail.com	1	3	2	2	2	IC10, IC11, FC=58/59	LPDA	45-945 MHz, 45-870 MHz
India	Pune IUCAA	18.5	73.80000153	NCRA	sasikumarraja(at)gmail.com	1	3	1	1	1	IC47, FC=61	LPDA	?
India	Ahmedabad/Gujara	23.239	72.638	Rajmal Jain	rajmal_9(at)yahoo.com	1	3	1	1	0	IC91	?	?
India	Sangli/Maharashtra	16.8	74.12	AWC	shettid2002(at)yahoo.co.in	1	3	1	1	0	IC46	?	?
India	Udaipur	24.59000015	73.70999908	PRL	dshuvarts(at)prl.res.in	1	3	1	1	1	IC104 + e-LNA04, FC=61	LPDA	45-870 MHz
India	Kodaikanal Solar Observatory	10.23	77.45	IIA, KSO	bathe(at)iiap.res.in	1	3	2	2	0	IC100, IC101	LPDA-array LHCP, RHCP	45-172 MHz
Indonesia	Tomohon	-0.911600113	107.8374939	LAPAN	timbul.manik(at)lapan.go.id	3	5	1	0	0	IC50, FC=61	LPDA	45-405 MHz
Indonesia	Sumedang	-1.179799986	136.1053047	LAPAN	timbul.manik(at)lapan.go.id	3	5	1	0	0	FC=59	LPDA	45-82 MHz
Indonesia	Biak	-1.54598999	124.9277753	LAPAN	timbul.manik(at)lapan.go.id	3	5	1	0	0	FC=60	LPDA	?
Indonesia	Bandung	?	?	Telkom/University	radiatanwar(at)telkomuniversity.ac.id	3	5	1	0	0	IC39	?	?
Indonesia	Bosscha Observatory	?	?	ITB	?	3	5	2	0	0	IC137, IC138	?	?
Ireland	Birr	53.09	-7.92	TCD	PMCCULEY(at)tcd.ie	1	3	5	3	1	IC43, IC54, IC-32', IC36	LPDA, Biconc, Inverted-V	15-105 MHz
Italy	Rome	46.0	8.499999	RA Fabrizio Francione	francione(at)tiscalinet.it	1	3	1	1	1	IC52	LPDA	45-150 MHz
Italy	Trieste	45.63000107	13.875	INAF	marco.ra(at)gmail.com	1	3	3	2	2	IC10, IC11, FC=58/59	LPDA	45-945 MHz, 45-870 MHz
Japan	Ibaraki Prefecture	36.40000153	140.3999939	Ibaraki University	satoshi.nozawa.(at)vc.ibaraki.ac.jp	1	3	1	1	1	IC78	LPDA	450-870 MHz
Japan	?	?	?	KFI, Hosei U	ed	3	5	4	0	0	NA010, NA011, NA034, NA037	?	?
Japan	Ibaraki Prefecture	36.40000153	140.3999939	Ibaraki University	satoshi.nozawa.(at)vc.ibaraki.ac.jp	3	5	1	0	0	IC139	?	?
Kazakhstan	Almaty	43.02999878	76.59000183	TSAO	artyukhf(at)mail.ru	1	3	2	2	2	IC18, IC77, FC=58/59	LPDA	45-165 MHz, 175-870 MHz
Kenya	Nairobi	1.3	36.8	UON	kabolle(at)uonbi.ac.ke	1	3	1	1	0	IC40	LPDA	?
Malaysia	Banting	2.78399992	101.5080032	ANGKASA	zuno23(at)gmail.com	1	3	3	0	0	IC54, IC55, IC72, IC73, IC30, IC42, IC43, IC79, IC80	LPDA	45-870 MHz
Malaysia	Kuala Selangor	?	?	ANGKASA	?	1	3	1	0	0	IC190	?	?
Malaysia	?	?	?	?	?	3	5	2	0	0	IC147, IC148	?	?
Mauritius	Pointe de Flacq	-20.14369019	57.72082901	UoM	akbfat)uom.ac.mu	3	5	2	0	0	IC15, IC30, IC40, FC=01/02	LPDA	45-450MHz, 45-870 MHz
Mexico	Mexico	19.1234	-99.1234	UNAM	galaxy(at)geofisica.unam.mx	2	3	2	0	1	IC06, NA110	LPDA	45-870 MHz
Mexico	Mexico	19.47999954	-101.4100037	XEXART	sfeldat(at)geofisica.unam.mx	2	3	2	0	1	NA019, NA034, FC=59	LPDA	45-225 MHz
Mexico	Mexico	19.47999954	-101.4100037	MEXART	ernesto(at)geofisica.unam.mx	2	3	2	0	0	NA109 as of 2020-01-16, NA-135	LWA	?
Mexico	Mexico	19.47999954	-101.4100037	UNAM	ernesto(at)geofisica.unam.mx	2	3	1	0	0	NA-138 as of 2022-06-24	LWA	?
Mexico	Mexico	19.47999954	-101.4100037	Instituto de Geofísica	ernesto(at)geofisica.unam.mx	2	3	3	0	0	NA129, NA130 and NA131	?	?
Mexico	Tlaxcala	20.16	-98.28	MEXICO-FCFM-UANL	fernando.rios-ordona(at)uanl.edu.mx	2	3	1	0	0	NA164 (TO ASSC-2022) 23-06-2023	LPDA	45-225 MHz
Nepal	Pokhara	28.29999924	83.90000153	Prithvi Narayan Campus	rsimang(at)pncampus.edu.np	3	5	1	0	0	IC105 + e-LNA06	LPDA	45-870 MHz
Mongolia	Ulaan Baatar	47.85	107.05	RC-MI	d.muukhmaral(at)yahoo.com	1	3	1	1	0	IC17, FC=61	LPDA	45-870 MHz
Mongolia	Gobi Desert	43.57	104.41	RC-MI	d.muukhmaral(at)yahoo.com	1	3	1	1	0	IC41	LPDA	45-870 MHz
New Zealand	Auckland	-36.41500137	174.6629944	WAIRWATCH	tim.natusch(at)xtra.co.nz	3	5	1	0	0	IC55, FC=59	LPDA	500-870 MHz
Norway	Ringebu	58.84999847	5.599999905	Norwegian Space Centre	Knut.Stanley.Jacobsen(at)hartvelvet.no	1	3	1	1	1	IC50 (bar=2.4 MHz), FC=01	LPDA B dB	1000-1600 MHz
Norway	Aalesund	78.93000031	11.86999989	Norwegian Space Centre	Knut.Stanley.Jacobsen(at)hartvelvet.no	1	3	1	1	1	IC57 (bar=2.4 MHz), FC=01	LPDA B dB	1000-1600 MHz
Norway	Tjernsund	58.41000	5.9699	LA3ZO	? hunn(at)online.no	1	3	1	1	1	IC106	TDTO, Inverted V, BowTie	10-86 MHz
Pakistan	Karachi	24	67	SUPARCO	nusratpervaiz(at)gmail.com	3	5	1	0	0	NA080, NA091	?	?
Paraguay	Asuncnión	25.299	-57.49	UNAM	jhsteiger(at)ing.una.py	2	3	1	1	1	IC12e	LPDA	45-165 MHz
Peru	Lima	-12.51	-76.798	CONIDA	jsbarr(at)gmail.com	2	3	2	0	0	NA106, NA018	LPDA	?
Poland	Krotnitsi	51.8884	39.3116	RA Alex Moskv	moskbel(at)inbox.ehr.ch	1	3	1	0	0	IC47	DIDEV: 30-10m, 7.4m	5-63 MHz
Puerto Rico	Arecibo	18.3	-66.75	AO	Alexandra.AlePerini(at)suf.edu	2	3	2	2	0	IC110, IC111 + 2 x up-converter, LO=750 MHZ	LWA	5-125 MHz
Romania	Bucharest			ARA	oblisan@ira.astro.ro	1	3	1	1	0	IC134	?	?
Russian Federation	Badary/Sibiria	51.75	102.2166877	ISBY	sybesov(at)gmail.com	1	3	1	1	0	IC45	LPDA	45-440 MHz
Rwanda	Kigali		30	UCOR	mahorojp(at)gmail.com	1	3	1	1	0	IC74	LPDA + e-LNA08	45-450 MHz
Slovakia	Ruzbarovce	47.92000153	18.39000076	SKVL	rasus98(at)gmail.com	1	3	1	1	1	IC50, IC459	LPDA	45-200 MHz
Slovakia	Nesluby	49.5	21.5	RA Daniel Baloudansky	bdaniel(at)post.sk	1	3	1	0	0	IC96	LPDA	?
South Africa	Sutherland	-32.36999893	20.79999924	SANSA	kevin@sutsarsa.org.za	3	5	1	1	1	IC75, FC=01	LPDA	45-870 MHz
South Africa	?	?	?	SKAI	ed	3	5	1	0	0	NA099	LPDA	?
South Africa	Potchefstroom			NWU	dutoit.strauss(at)gmail.com	3	5	2	0	0	IC120, IC122, IC123	?	?
South Korea	Daejeon	36.40000153	127.4000015	KASI	hjshuh(at)kasi.re.kr	3	5	2	1	1	IC57, IC58, FC=59	LPDA tracking Sun but no LNA!!!	45-448.5 MHz
Spain	Cartagena	37.61	-0.99	UCC	josé.alcaraz(at)ucct.es	1	3	2	0	0	IC68, IC87	?	?
Spain	Peñalara	40.53	-3.9199	UAH	Pedro Mateo Manuel rmanuel.prieto(at)uah.es	1	3	2	1	1	IC57, NA012, FC=01/03	LWA	15-90 MHz
Spain	Alcalá de Henares	40.53	-3.34	UAH	Pedro Mateo Manuel rmanuel.prieto(at)uah.es	1	3	1	1	1	IC68, FC=01	M2 Yagi 43EC4421G, 3MCP22	45-870 MHz
Spain	Sigüenza	41.068	-2.541	UAH/IAH	biocorsa(at)unu.es	1	3	1	1	1	IC70, FC=01	LPDA	45-870 MHz
Spain	?	?	?	Alcala	manuel.prieto@uah.es	1	3	2	1	0	IC180	?	?
Sri Lanka	Katubedda, Moratuw	7.2	80.5	Arthur C Clarke Institute	adeesuriya(at)gmail.com	3	5	3	1	1	IC48, IC112, IC113	LPAD	45-450 MHz
Switzerland	Bleien	47.33999939	8.111599922	ETHZ	monstein(at)astro.phys.ethz.ch	1	3	4	3	2	IC09, IC31, FC=01/02, IC134, IC135 FC=03/04	Dish 5m, Dish 7m	20-278 MHz, HERAX
Switzerland	Landschlacht	47.43000031	9.239999771	RA HB9SCT	monstein(at)astro.phys.ethz.ch	1	3	2	2	2	IC31, IC45 FC=01/02	LWA	35-80 MHz
Switzerland	Freienbach	47.22000046	8.75999992	RA HB9SCT	monstein(at)astro.phys.ethz.ch	1	3	2	2	2	IC08, IC56, IC18, FC=01/02	RICOBE, LPDA	360-1450 MHz, 1500-870 MHz
Switzerland	Muhen	47.32832809	8.052182769	RA Peter Flitt	primetheus2710@bluewin.ch	1	3	2	2	2	IC102, IC103, IC35	LWA LHCP and RHCP	45-90 MHz
Switzerland	Zurich	47.2	8.5	ETHZ	monstein(at)astro.phys.ethz.ch	1	3	1	1	0	IC47	Dish 5m	1415-1430 MHz
Switzerland	Heiterswil	47.29999924	9.110000134	Kevin Wattyl	Christian.Bircher(at)kantonsschul.ch	1	3	1	1	1	IC21	LWA	35-80 MHz
Switzerland	Locarno Monti	46.17701149	8.786687708	MASS	klaus(at)smol.ch	1	3	1	1	1	IC70, FC=01	LPDA	45-80 MHz
Switzerland	Locarno Monti	46	8.7	Swiss Meteo	Marco.Gabella(at)meteoswiss.ch	1	3	1	0	0	IC166, FC=01	45 cm dish	10.6 - 11.2 GHz
Switzerland	St. Gallen	?	?	Kantonsschule	andreas.buhr@ksg.ethz.ch	1	3	1	0	0	IC185	LPDA	?
Taiwan	?	25.105493	121.597366	Huang, NCU-ISS	d949003(at)ms.astro.ncu.edu.tw	3	5	1	0	0	NA016	?	?
Taiwan	?	25.105493	121.597366	Wave Fidelity	?	3	5	2	1	0	NA105, NA106	?	?
Taiwan	Tainyuan City 320	25.105497	121.597366	National Central University	shyeah(at)baeker.ss.ncu.edu.tw	3	5	1	0	0	NA100, TMA001	?	?
Thailand	?	?	?	Ubon-U	ed	3	5	1	0	0	NA015	?	?
Thailand	Bangkok	13.730717	100.523186	Rajamangala university	prayoonpore.m(at)mail.rmutk.ac.th	3	5	2	0	0	IC161, #29 both refurbished	TBD	TBD
Thailand	Bangkok	13.730717	100.523186	Rajamangala university	prayoonpore.m(at)mail.rmutk.ac.th	3	5	2	0	0	IC158, #2117	TBD	TBD
Thailand	Chiang Mai			National Astronomical Research Institu	nphyutti(at)gmail.com	3	5	1	0	0	NA045	?	?
Turkey	?	?	?	Ozyegin	OLINA(at)arl.army.mil	1	3	1	0	0	NA015	?	?
Turkey	Yeralveri	39.78	43.226	Istanbul Universite Observatory Institut	basdemirel(at)istanbul.edu.tr	1	3	1	1	1	NA110	CLP130-1A	45-165 MHz
Ukraine	Simpherogol	44.40000153	34	RRIM	a.selvech(at)gmail.com	1	3	1	1	1	IC44	16 Yagi-Array	250-350 MHz
United Kingdom	Glasgow	55.90000153	-4.300000191	MSO	k.muirhead(at)ph.gla.ac.uk	1	3	1	1	1	IC51, FC=59	LPDA	45-81 MHz
United Kingdom	?	?	?	RA Paul Hyde	g4ocd(at)yahoo.co.uk	1	3	1	0	0	NA003	?	?
United Kingdom	?	?	?	RA David James	ed	1	3	1	0	0	NA037	?	?
United Kingdom	Cambridge	52.2053	0.1218	RA Harry Smith	hj.Smith(at)cantabnexus.com	1	3	1	0	0	IC90	?	?
Uruguay	Montevideo	-34.90000153	-56.20000076	CALM	andres(at)calm.gub.uy	2	3	1	0	0	IC81	LPDA	45-870 MHz
Uruguay	Minas de Corrales			RINCO team	manuelgelabert@hotmail.com	2	3	1	0	0	IC27	LPDA	?
USA	Anchorage	61.19929886	-149.9564872	RA Whitham Reeve	whitrevee(at)gmail.com	2	6	1	1	1	NA001, NA002, NA008, FC=59	LPDA, LWA	215-420 MHz
USA	Arizona	34.62	-112.45	Ramon Fobes ERAU	FOBES9(at)erau.edu	2	6	1	0	0	NA029	Stellar Labs 30-2476 9-element VHF yagi	150-441 MHz
USA	Hawaii	21.28	-157.9	WAIKIKI	ed	2	6	1	0	0	IC49	?	?
USA	Hawaii	21.28	-157.9	University	jdcrouch(at)hawaii.edu	2	6	1	0	0	NA099	?	?
USA	Maryland	39.0047253	-76.941273	Don Williams, OSI	ed	2	6	1	0	0	NA004	?	?
USA	Greenbelt	TBD	TBD	NASA GSFC	ryanchimuhuk.engelowmx-1(at)nasa.gov	2	6	1	0	0	NA128	64 cm dish X-/Ka-band	10.6 GHz - 11.2 GHz
USA	Rochester	42.93	-77.5	Martin Pepe KR0C	mepdbm(at)rit.edu, mjpastro(at)gmail.com	2	6	2	0	0	NA012, NA013	?	?
USA	New York	40.785091	-73.968285	David Fedirchko	ddolder(at)rit.edu	2	6	2	0	0	NA101, NA104	?	?
USA	Roswell/NM	33.64389	-104.53528	RA Stan Nelson	stannelson@tds.net	2	6	3	3	3	NA014, NA027, NA033	LPDA vertical+sun track, LWA- RHCP, Yagi vertical at	20-90 MHz, 90-305 MHz
USA	Texas	31.968599	-112.45	RA Martin Chenzo	orion.prime(at)gmail.com	2	6	1	0	0	NA040	?	?
USA	Tennessee	?	?	RA Chuck Higgins	Chuck.Higgins(at)mtsu.edu	2	6	2	0	0	NA041, NA042	?	?
USA	Fellow	60.30999756	-151.3220071	RA Whitham Reeve	whitrevee(at)gmail.com	2	6	2	2	2	NA043, NA044, FC=00/01	LWA circular polarization	45-91 MHz
USA	HAARP	62.40000153	-145.1499982	RA Whitham Reeve	whitrevee(at)gmail.com	2	6	2	2	2	NA111, NA112	LWA	10-82 MHz, BW=80 KHz
USA	Michigan			University of Michigan	Alex Hewitson	2	6	2	0	0	NA116, NA117	LWA	
USA	Michigan			University of Michigan	?	2	6	6	0	0	NA122, NA123, NA124, NA125, NA126, NA127	LWA	
USA	Flagstaff, Arizona			US Naval Research Lab (NRL)	?	2	6	2	0	0	NA132, NA133	LWA + UPC-500L-M + LWAPC-G	
USA	Solar eclipse locations	transportable	transportable	NASA GSFC	ryanchimuhuk.engelowmx-1(at)nasa.gov	2	6	1	0	0	NA138	45 cm dish	10.6 - 11.2 GHz

Totals: 7 227 102 76

Red highlighted text: Observation stopped or interrupted or not yet started

Green highlighted text: provide currently data to the e-Callisto archive. Update rate ~1 month.