



EPN Status Report

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CHANGES SINCE EUREF2009





EUREF TWG, March 8-9, 2010, Vienna



CHANGES SINCE EUREF2009



NEW

4char	Location	GLONASS	GALILEO	RT	ECGN	Inclusion date
GARI	Porto Garibaldi, Italy	yes	yes		_	08-11-2009
PAT0	Patras, Greece	yes	_	1	_	14-06-2009
SMLA	Smila, Ukraine	yes	_	_	_	01-11-2009
TERC	Angra do Heroismo, Portugal	yes	_	yes	_	03-01-2010
VEN1	Venezia, Italy	yes	_	yes	_	13-12-2009

INACTIVE

4char	Location	From	То	Why
AQUI	L'Aquila, Italy	18-10-2009	27-12-2009	very strong earthquake
ELBA	San Piero Campo Nell'Elba - Elba, Italy	06-09-2009	-	station PC and communication line
EVPA	Evpatoria, Ukraine	06-09-2009	27-12-2009	unstable receiver
LAMP	Lampedusa, Italy	10-01-2010		maintenance works on the roof hosting the antenna

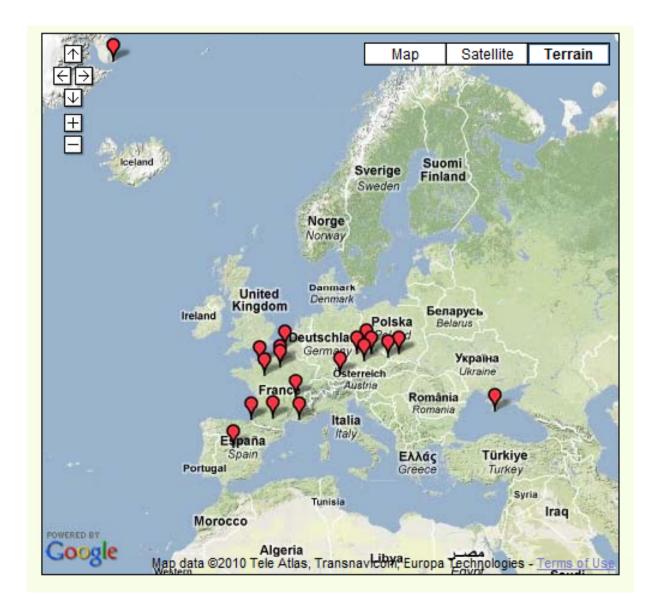
FORMER

4char	Location	When	Why
	Pec (Pod Snezkou), Czech Republic	11-06- 2009	building destroyed



PROPOSED STATIONS





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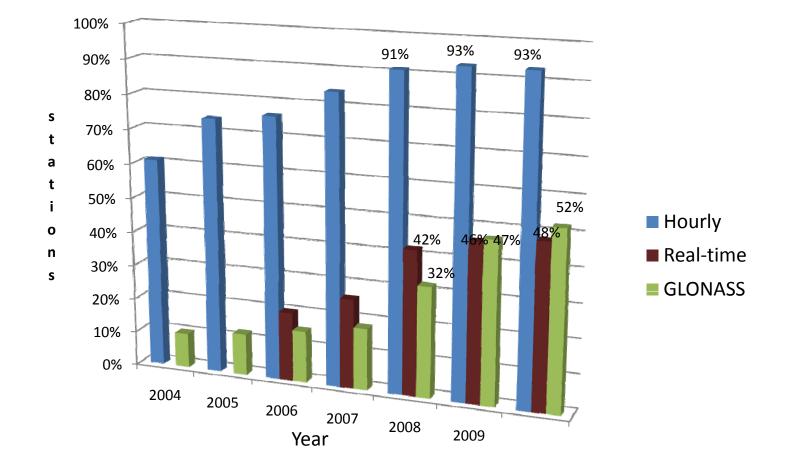


PROPOSED STATIONS



	Location	Proposed at	Documentation		Availability (%)				Latency			DQ (%)		Meta- data		Data			Interested		
Site			CL	CL SL SP	SP		aily OLG	Hou BKG		RT	Hourl BKG	y(%) OLG	RT (s)	0°	15°	Daily	RT	AC	DQ	Rel.	analysis centres
AXPV	Aix En Provence, France	23/10/2009	-	•	~	100	100	80	85	_	78	73		92	100	>	_	т	~	G	ROB, BKG, IGN, LPT, IGE
CAEN	Caen, France	23/10/2009	~	✓	~	100	100	99	86		98	79		87	100	>	_	Т	1	G	ROB, IGN, IGE
CEBR	Cebreros, Spain	23/06/2009	×	✓	~	100	100	100	89		100	84		84	98	>	_	Т	~	С	IGE, ASI, ?
CFRM	Frydek Mistek, Czech Republic	06/11/2009	~	<	<	89	93	99	94		89	72	3.0	89	99	>	<	т	1		BKG, GOP, WUT
CLIB	Liberec, Czech Republic	06/11/2009	~	<	<	89	100	99	88	_	92	75	3.1	89	99	>	<	т	~		GOP, WUT, ?
CPAR	Pardubice, Czech Republic	06/11/2009	~	1	~	89	93	99	88	_	93	76	3.8	93	99	~	~	т	1		GOP, WUT, ?
CRAK	Rakovnik, Czech Republic	06/11/2009	~	1	~	89	96	99	88	_	93	75	4.4	91	99	~	~	т	1		GOP, ?, ?
CREI	Creil, France	23/10/2009	×	1	 	100	100	99	85	_	97	78	_	90	100		_	т	1	G	ROB, IGN, WUT
CTAB	Tabor, Czech Republic	06/11/2009	~	1	 	89	89	99	91	_	92	74	5.3	94	100	×	~	т	1		GOP, WUT, ?
KRA1	Krakow, Poland	13/01/2010	~	1	X	0	93	74	81	_	73	80	_	91	97	×	_	т	1	G	?, ?, ?
KTVL	Katzively, Greater Yalta, Ukraine	08/02/2010	~	1	~	100	100	76	76	_	60	59	_	88	99	×	_	т	X	G, C	BKG, ?, ?
LIL2	Lille, France	23/10/2009	~	 	~	93	93	72	66	_	69	56	_	89	100	~	_	т	~	G	ROB, IGN, LPT
MAN2	Le Mans, France	03/04/2008	×	<	~	100	100	90	81	_	88	75	_	95	99	<	_	т	~	G	ROB, IGN, LPT, IGE
MDOR	Saint-Didier-au-Mont-d'Or, France	23/10/2009	~		~	100	100	99	85	_	97	77	_	85	100	<	_	т	~	G	ROB, IGN, LPT, IGE
OBE3	Oberpfaffenhofen, Germany	22/02/2008	 Image: A start of the start of	1	X	100	14	98	87	_	94	77	_	62	90	×	_	т	X		BKG, ROB, BEK
SCOA	Ciboure, France	23/10/2009	~		~	100	100	99	85	_	96	75	_	91	100	~	_	т	1	G, C	ROB, BKG, IGN, IGE
SCOR	Scoresbysund/Ittoqqoormiit, Greenland	28/02/2006	-	•	•	100	0	100	0	_	99	0	_	84	97	>	_	×	•	D	NKG, IGE, COE
SMNE	Saint-Mandé, France	23/10/2009	~	<	~	100	100	92	85		90	75	_	91	100	<	_	т	1	G	ROB, IGN, LPT, IGE
TLMF	Toulouse, France	23/10/2009	~		~	100	100	90	85	_	88	71	_	91	100	~	_	Т	1	G	ROB, IGN, LPT, IGE



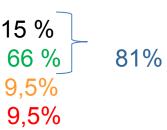




EPN ANTENNA CALIBRATIONS

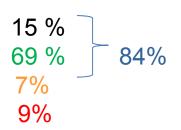


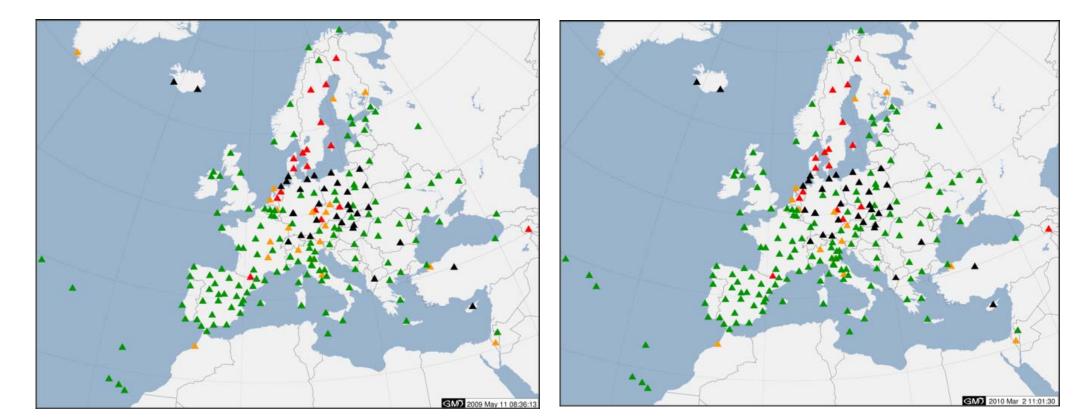
May 2009Indiv. abs. calib15 %True abs. calib66 %Abs. calib. from field9,5%No abs. calib.9,5%



<u>March 2010</u>

Indiv. abs. calib15 %True abs. calib69 %Abs. calib. from field7%No abs. calib.9%







EPN ANTENNA CALIBRATIONS



• Contact with GEO++ with request to make individual absolute calibrations of EPN stations freely available from EPN CB web site (now protected with user/password)

•Jan. 19, 2010: GEO++ gives EPN CB permission to make available individual calibrations using anonymous ftp

• March 1, 2010: indiv. Ant. Calibration now available from anonymous ftp area at EPN CB







- Site log validation and submission tool now active since July 2, 2009
 - Main issue: upload of existing log file instead of using online forms to update site log file
- Station coordinates web pages finished on Oct. 2, 2009
- On-line ETRS89/ITRS transformation opened to the public on Nov. 16, 2009
 - Bug corrected on Jan 6, 2010 (ITRF2000 -> ETRF2000)

• FUTURE: on-line web-based management of site pictures by station manager