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Supplementary Material

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Table 1: Temporary stations used for the 2007-2009 catalog

Station	Network	Channels	Location	Data center	Latitude	Longitude	Begin time	End time
B039	PB	EH1,EH2,EHZ	–	IRIS	41.4667	-122.4847	2007-10-15	3000-01-01
KCPB	NC	HHE,HHN,HHZ	–	NCEDC	39.6863	-123.5824	2002-10-17	3000-01-01
KHBB	NC	HHE,HHN,HHZ	–	NCEDC	40.6599	-123.2197	2003-09-11	3000-01-01
KRMB	NC	HHE,HHN,HHZ	–	NCEDC	41.5230	-123.9080	2001-06-16	3000-01-01
KSXB	NC	HHE,HHN,HHZ	–	NCEDC	41.8304	-123.8769	2001-07-13	3000-01-01
ME01	XQ	BHE,BHN,BHZ	01	IRIS	41.7752	-123.4034	2007-07-31	2009-06-12
ME02	XQ	BHE,BHN,BHZ	01	IRIS	41.6898	-122.3372	2007-07-22	2009-05-20
ME03	XQ	BHE,BHN,BHZ	01	IRIS	41.702	-123.881	2007-09-27	2009-06-13
ME04	XQ	BHE,BHN,BHZ	01	IRIS	41.355	-123.514	2007-07-23	2009-06-12
ME08	XQ	BHE,BHN,BHZ	01	IRIS	40.222	-123.305	2007-07-22	2009-06-03
ME09	XQ	BHE,BHN,BHZ	01	IRIS	41.086	-122.726	2007-07-21	2009-05-14
ME10	XQ	BHE,BHN,BHZ	01	IRIS	40.9591	-122.4619	2007-10-31	2009-06-12
ME12	XQ	BHE,BHN,BHZ	01	IRIS	40.104	-122.498	2007-07-20	2009-06-12
ME13	XQ	BHE,BHN,BHZ	01	IRIS	40.764	-122.918	2007-07-22	2009-06-12
ME16	XQ	BHE,BHN,BHZ	01	IRIS	40.577	-122.087	2007-07-20	2008-10-14
ME24	XQ	BHE,BHN,BHZ	01	IRIS	40.359	-122.047	2007-07-19	2009-05-15
ME26	XQ	BHE,BHN,BHZ	01	IRIS	40.157	-122.099	2007-07-26	2009-02-17
ME27	XQ	BHE,BHN,BHZ	01	IRIS	40.453	-123.155	2008-01-01	2009-06-13
ME28	XQ	BHE,BHN,BHZ	01	IRIS	40.327	-122.471	2007-07-20	2009-05-14
ME29	XQ	BHE,BHN,BHZ	01	IRIS	41.142	-123.1408	2007-09-21	2009-06-13
ME30	XQ	BHE,BHN,BHZ	01	IRIS	40.843	-123.565	2007-07-24	2009-06-22
ME42	XQ	BHE,BHN,BHZ	01	IRIS	39.7145	-123.273	2007-07-15	2009-06-16
ME43	XQ	BHE,BHN,BHZ	01	IRIS	39.5703	-123.175	2007-09-16	2009-06-16
ME44	XQ	BHE,BHN,BHZ	01	IRIS	39.4928	-123.187	2007-09-16	2009-06-15
ME45	XQ	BHE,BHN,BHZ	01	IRIS	39.4666	-122.9595	2007-09-12	2009-06-09
ME46	XQ	BHE,BHN,BHZ	01	IRIS	39.196	-122.968	2007-09-25	2009-06-11
ME47	XQ	BHE,BHN,BHZ	01	IRIS	39.1124	-122.8106	2007-09-25	2008-09-17
ME49	XQ	BHE,BHN,BHZ	01	IRIS	39.8633	-123.7194	2007-09-25	2009-06-08
ME52	XQ	BHE,BHN,BHZ	01	IRIS	39.3228	-123.2191	2008-02-21	2009-07-08
ME54	XQ	BHE,BHN,BHZ	01	IRIS	39.0132	-123.3779	2007-09-24	2009-03-03
ME57	XQ	BHE,BHN,BHZ	01	IRIS	39.9118	-122.5676	2007-10-24	2009-06-11
WDC	BK	BHE,BHN,BHZ	–	NCEDC	40.5799	-122.5411	1992-09-17	2011-05-06
YBH	BK	BHE,BHN,BHZ	–	NCEDC	41.7320	-122.7104	1993-07-24	2011-06-03

Table 2: Permanent stations used for the 2004-2011 catalog

Station	Network	Channels	Location	Data center	Latitude	Longitude	Begin time	End time
B039	PB	EH1,EH2,EHZ	–	IRIS	41.4667	-122.4847	2007-10-15	3000-01-01
B040	PB	EH1,EH2,EHZ	–	IRIS	41.8308	-122.4205	2007-10-16	3000-01-01
B933	PB	EH1,EH2,EHZ	–	IRIS	40.0600	-123.9690	2008-09-13	3000-01-01
B935	PB	EH1,EH2,EHZ	–	IRIS	40.4787	-123.5732	2008-10-29	3000-01-01
GASB	BK	BHE,BHN,BHZ	–	NCEDC	39.65471	-122.71595	2005-09-22	2011-06-16
GASB	BK	BHE,BHN,BHZ	0	NCEDC	39.65471	-122.71595	2011-06-16	3000-01-01
GBB	NC	EHZ	–	NCEDC	39.80127	-122.34550	2000-12-06	3000-01-01
GHM	NC	EHZ	–	NCEDC	39.49545	-122.93096	1984-01-01	3000-01-01
GRO	NC	EHZ	–	NCEDC	39.91684	-122.67117	1990-12-13	3000-01-01
GSN	NC	EHZ	–	NCEDC	38.94040	-123.19245	1984-01-01	2018-12-11
GTC	NC	SHZ	–	NCEDC	39.39944	-123.55532	1996-08-01	2011-10-27
GVV	NC	EHZ	–	NCEDC	39.77510	-122.67551	2002-04-28	3000-01-01
HOPS	BK	BHE,BHN,BHZ	–	NCEDC	38.99349	-123.07234	1994-10-21	2010-06-16
HOPS	BK	BHE,BHN,BHZ	0	NCEDC	38.99349	-123.07234	2010-06-16	3000-01-01
JCC	BK	BHE,BHN,BHZ	–	NCEDC	40.81745	-124.02955	2001-04-11	2010-08-19
JCC	BK	BHE,BHN,BHZ	0	NCEDC	40.81745	-124.02955	2010-08-19	3000-01-01
KBN	NC	SHZ	–	NCEDC	39.89237	-123.19503	1994-11-28	2011-10-27
KBS	NC	SHZ	–	NCEDC	39.91719	-123.59561	2002-10-17	2011-10-27
KCPB	NC	HHE,HHN,HHZ	–	NCEDC	39.68631	-123.58242	2002-10-17	3000-01-01
KCS	NC	SHZ	–	NCEDC	40.53791	-123.51394	1994-11-28	2011-11-01
KFP	NC	SHZ	–	NCEDC	39.63889	-123.42514	1994-11-28	2011-10-27
KHBB	NC	HHE,HHN,HHZ	–	NCEDC	40.65990	-123.21966	2003-09-11	3000-01-01
KHMB	NC	HHE,HHN,HHZ	–	NCEDC	40.87475	-123.73259	2002-06-13	3000-01-01
KIP	NC	SHZ	–	NCEDC	39.80841	-123.48130	1994-11-28	2011-10-27
KKP	NC	SHZ	–	NCEDC	40.14579	-123.46965	1994-11-28	2011-11-01
KOM	NC	SHZ	–	NCEDC	41.27872	-123.45315	1994-11-28	2011-11-02
KPP	NC	SHZ	–	NCEDC	40.34579	-123.36328	1994-11-28	2011-11-01
KRK	NC	SHZ	–	NCEDC	39.56315	-123.18367	1994-11-28	2011-10-27
KRMB	NC	HHE,HHN,HHZ	–	NCEDC	41.52296	-123.90797	2001-06-16	3000-01-01
KRP	NC	HHE,HHN,HHZ	–	NCEDC	41.15765	-124.02330	2002-06-12	3000-01-01
KSXB	NC	HHE,HHN,HHZ	–	NCEDC	41.83038	-123.87688	2001-07-13	3000-01-01
KTR	NC	SHZ	–	NCEDC	41.90847	-123.37755	1994-11-28	2011-11-02
LAM	NC	SHZ	–	NCEDC	41.60987	-122.62559	1994-11-28	2011-09-30
LBF	NC	SHZ	–	NCEDC	41.34707	-121.89098	1994-11-28	2011-11-03
LBK	NC	SHZ	–	NCEDC	41.08382	-122.66731	1994-11-28	2011-12-08
LBP	NC	SHZ	–	NCEDC	40.31671	-122.88193	1994-11-28	2011-12-08
LDB	NC	SHZ	–	NCEDC	40.43105	-121.78632	1994-11-28	2011-12-08
LGB	NC	SHZ	–	NCEDC	41.33418	-122.18771	2001-10-20	2011-11-03
LGP	NC	SHZ	–	NCEDC	40.91228	-122.82949	1994-11-28	2011-12-08
LPG	NC	SHZ	–	NCEDC	40.14514	-122.68788	1994-11-28	2011-12-08
LRB	NC	SHZ	–	NCEDC	40.14323	-122.55772	1994-11-28	2011-12-08
LRR	NC	SHZ	–	NCEDC	40.46630	-121.62230	1994-11-28	2011-12-08
LSF	NC	SHZ	–	NCEDC	40.65817	-122.52371	1994-11-28	2011-12-08
LSH	NC	SHZ	–	NCEDC	40.79294	-122.03943	2002-03-28	2011-12-08
LSR	NC	SHZ	–	NCEDC	41.10696	-122.27062	1994-11-28	2011-12-08
LTC	NC	SHZ	–	NCEDC	40.20842	-122.12548	2002-03-28	2011-12-08
LVR	NC	SHZ	–	NCEDC	40.03937	-122.67250	1994-11-28	2011-12-08
LWH	NC	SHZ	–	NCEDC	40.64180	-121.94857	1994-11-28	2011-12-08
WDC	BK	BHE,BHN,BHZ	–	NCEDC	40.57988	-122.54113	1992-09-17	2011-05-06
WDC	BK	BHE,BHN,BHZ	0	NCEDC	40.57988	-122.54113	2011-05-06	3000-01-01
YBH	BK	BHE,BHN,BHZ	–	NCEDC	41.73204	-122.71039	1993-07-24	2011-06-03
YBH	BK	BHE,BHN,BHZ	0	NCEDC	41.73204	-122.71039	2011-06-03	3000-01-01