



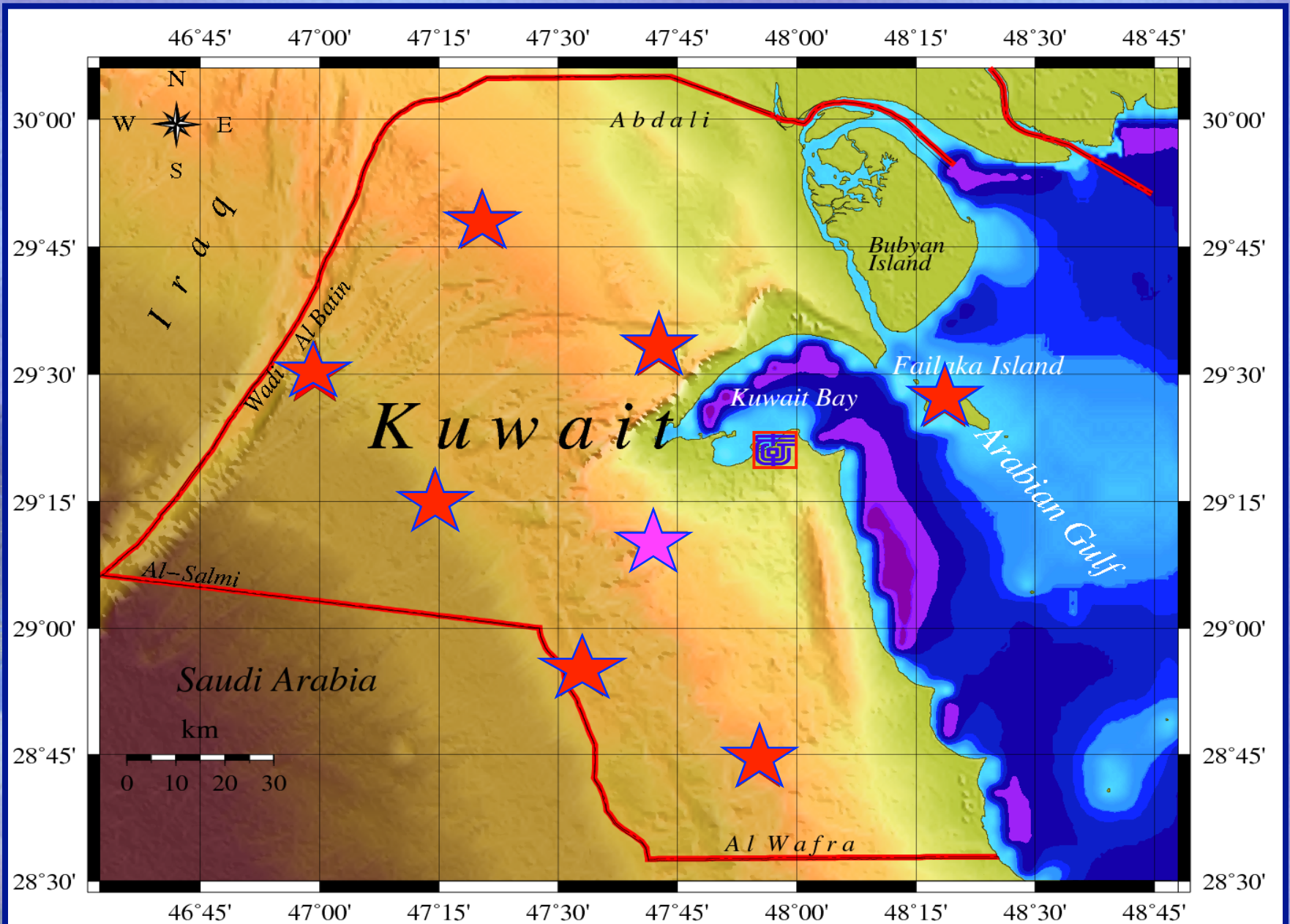
The New Development of Kuwait National Seismic Network (KNSN)

By

Reda Abdel-Fattah

Kuwait Institute for Scientific Research (KISR)

Kuwait National Seismic Network

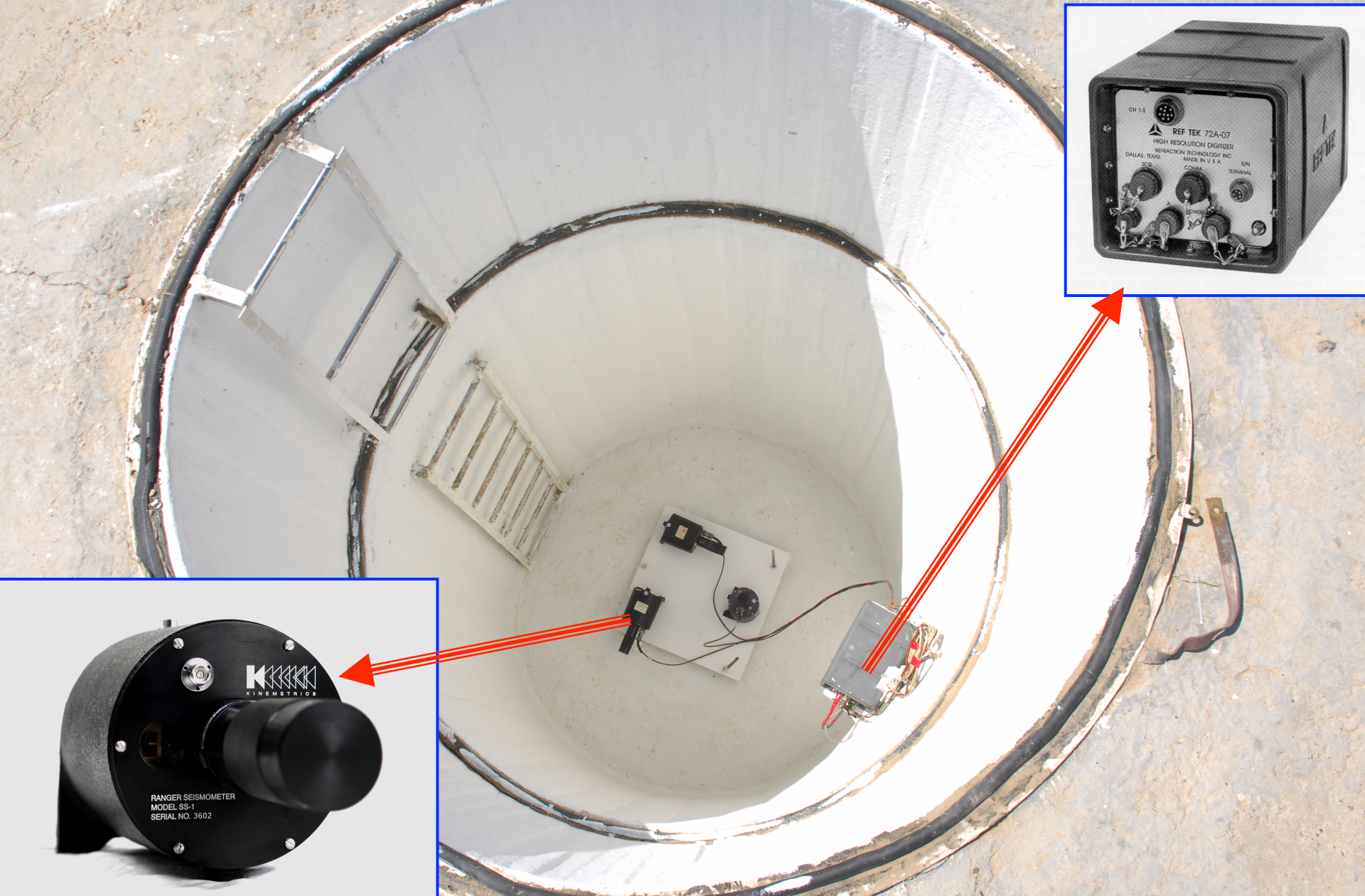


Field Station View →

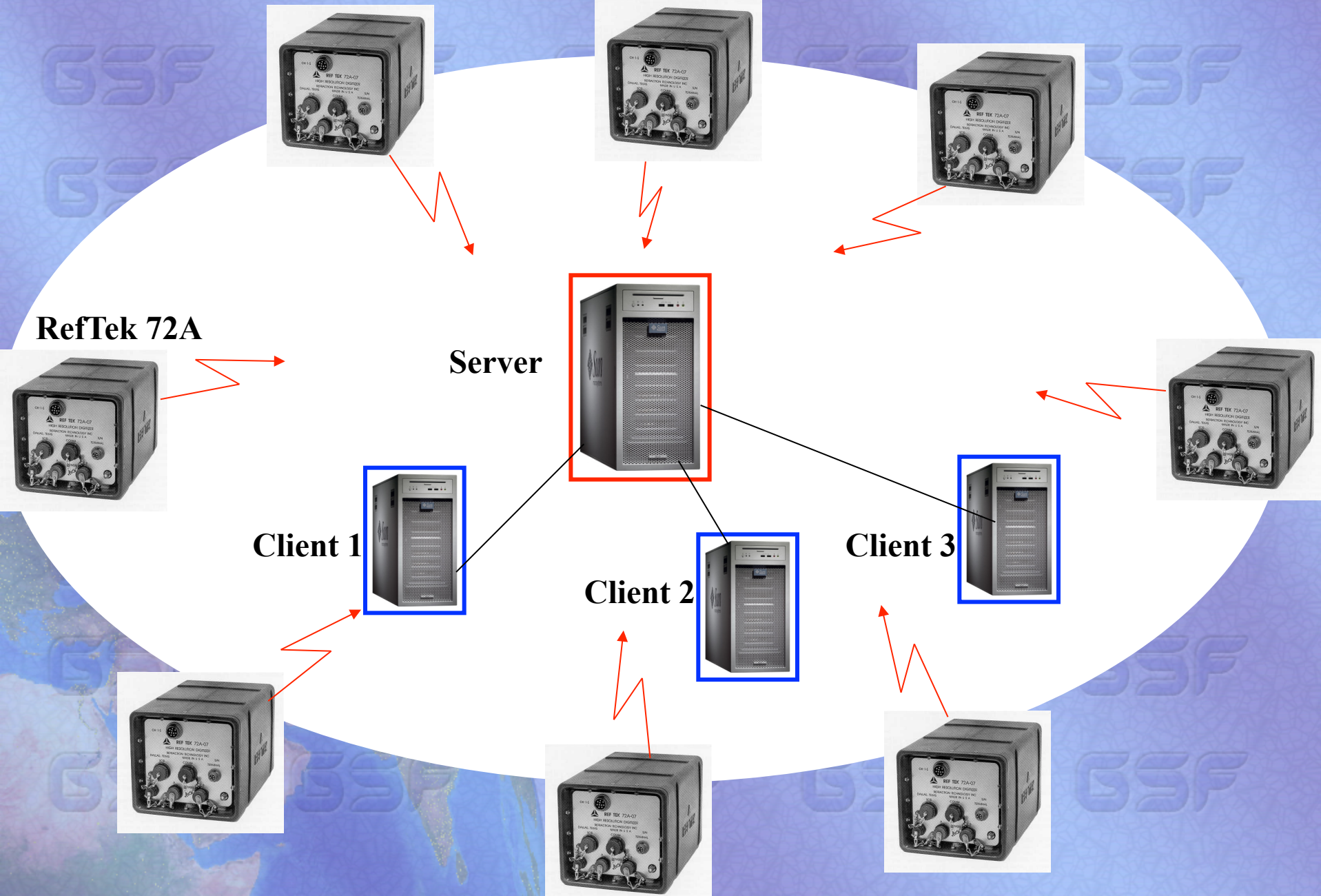
KNSN analytical Center



Station Vault



KNSN Real Time System Configuration

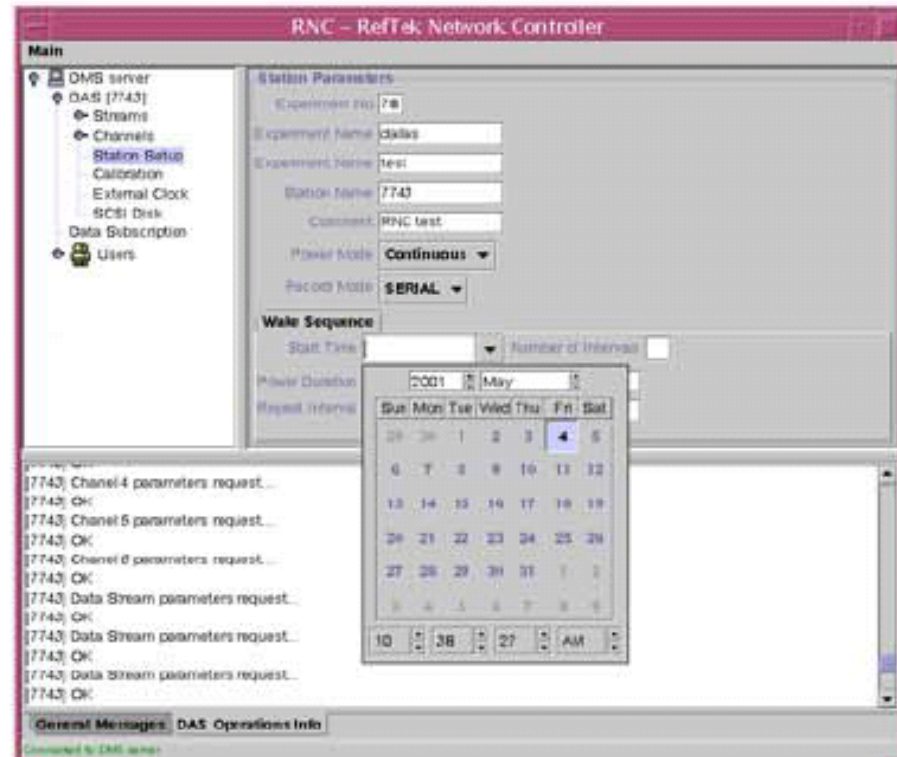
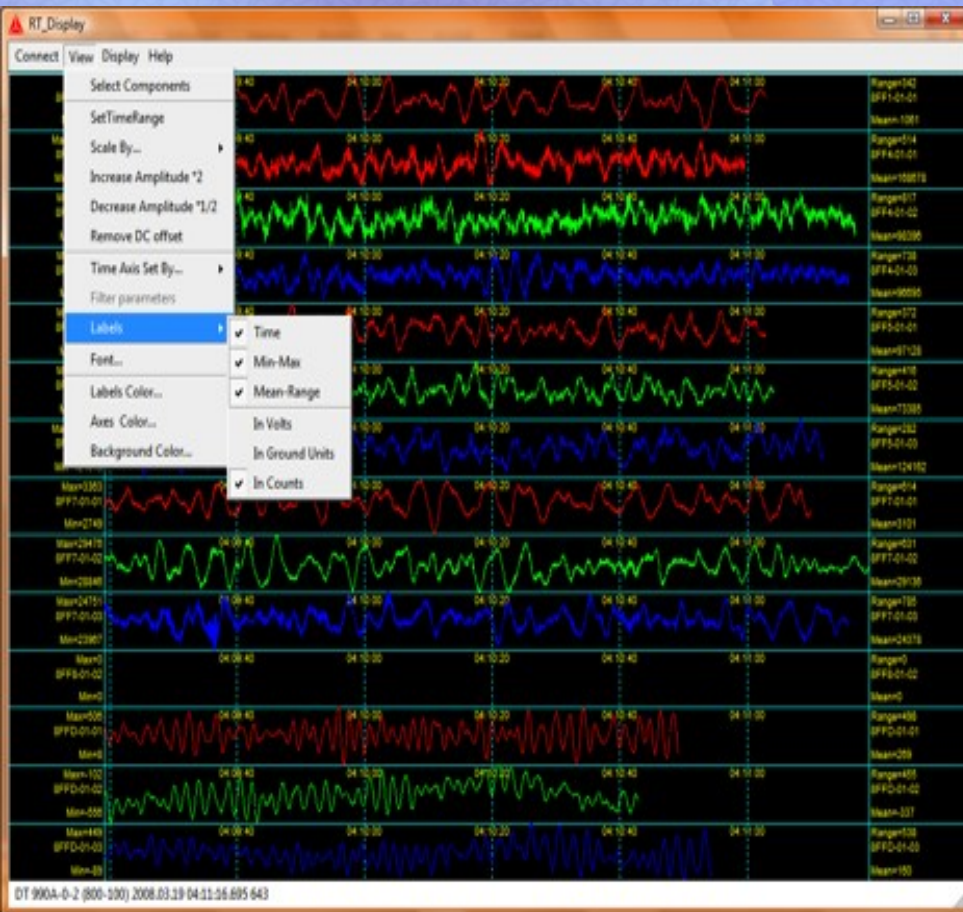
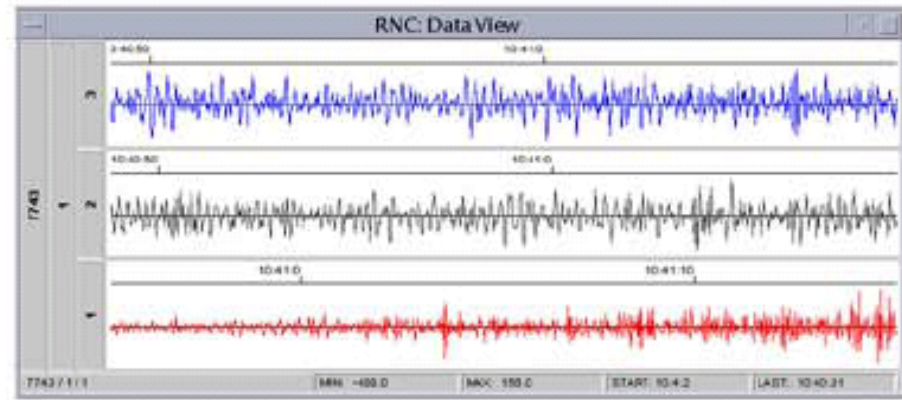


Portable Station

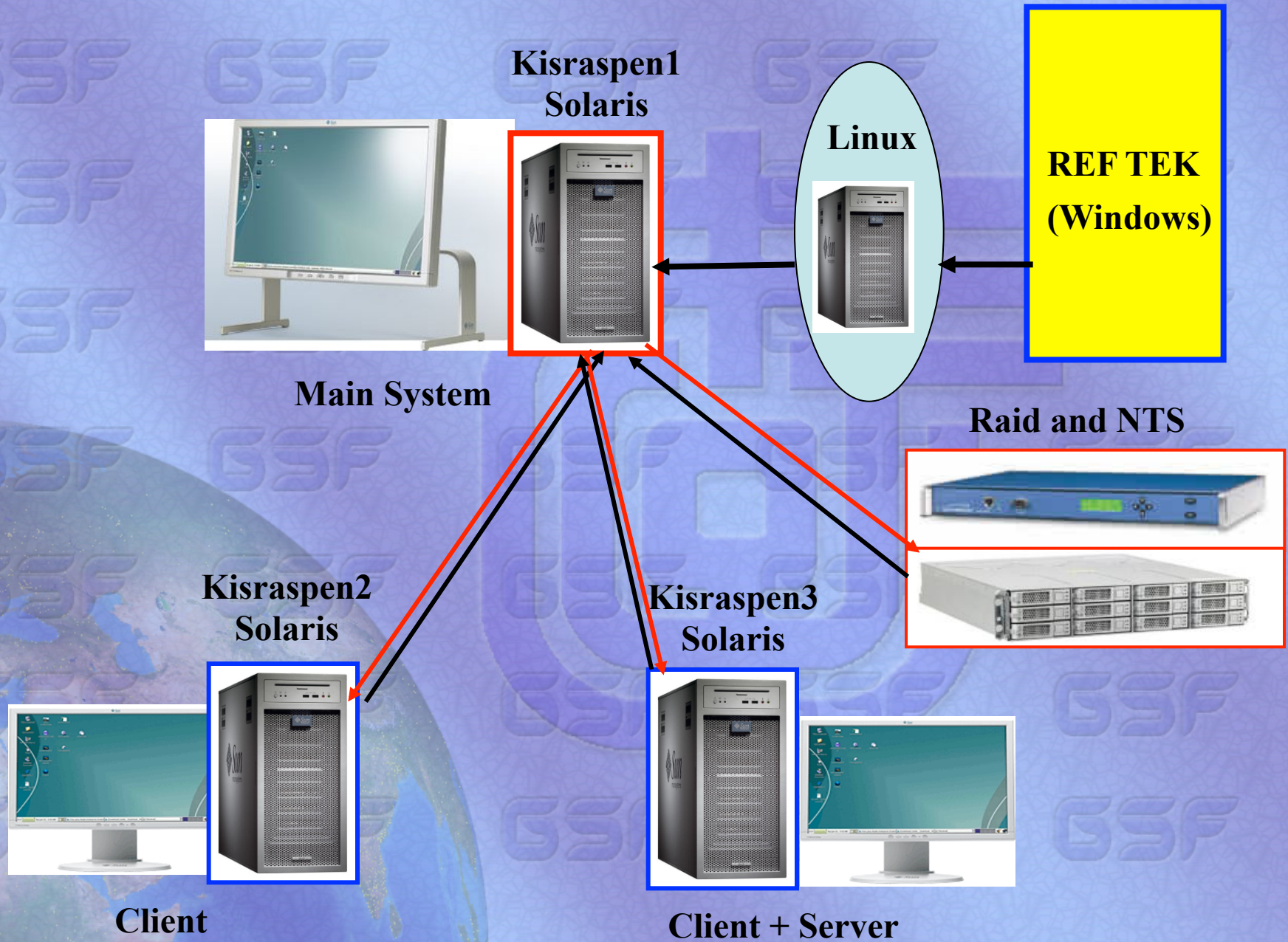


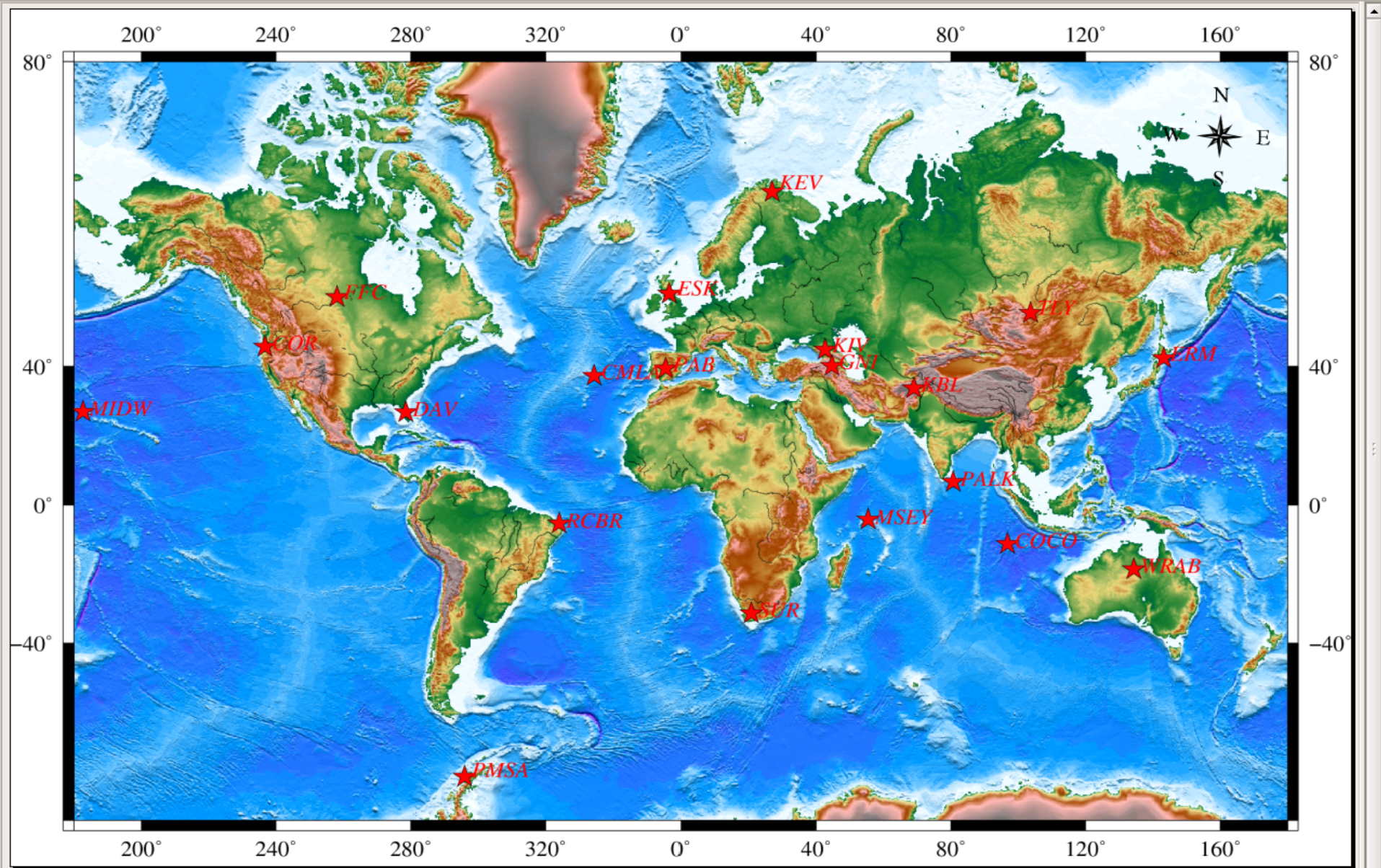
Real-Time Display and Field Stations Control

RT_Display

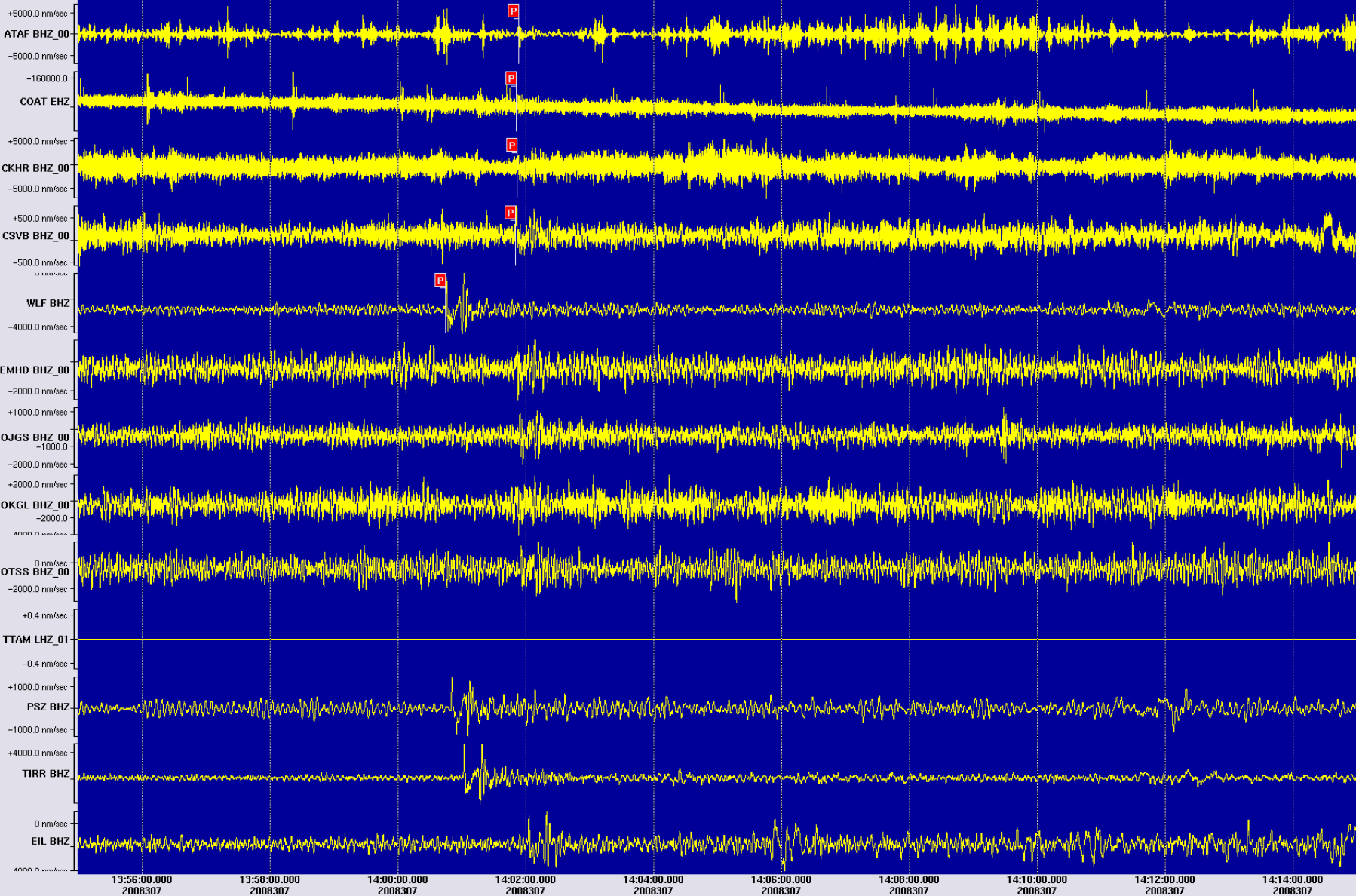


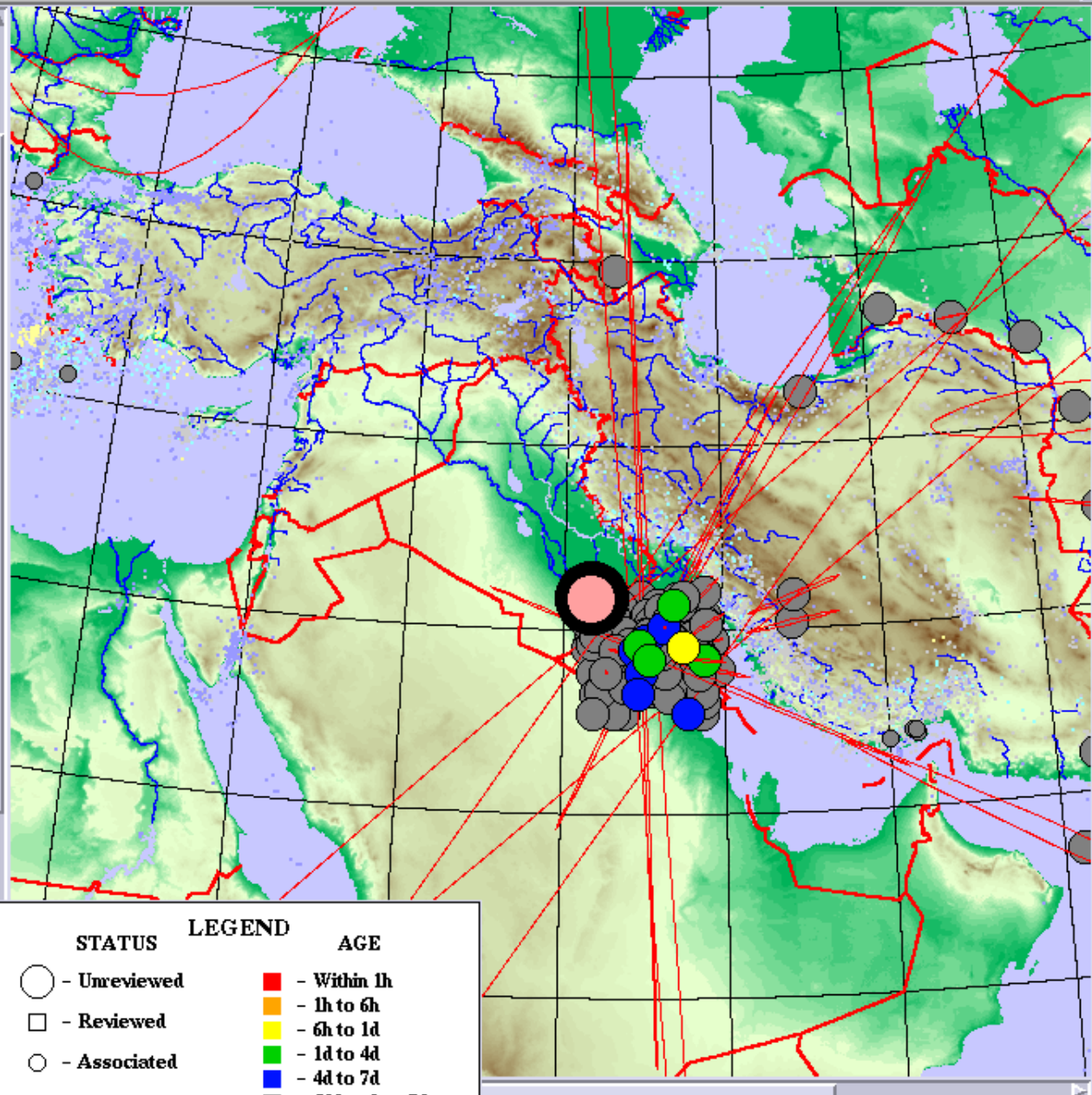
Antelope Configuration





Traces ▾ DONE Amp: A Filter: N Add Arrivals Add Time Mrk





2009056(02/25)	20:47:10	1.6ml		3	EAST
2009057(02/26)	21:09:33	Q	5.5mb	0	BAND
2009058(02/27)	02:21:16	Q	4.7nb	0	LUZO
2009058(02/27)	12:05:00		3.1ml	3	PERS
2009058(02/27)	20:52:49	Q	4.7nb	0	CRET
2009059(02/28)	00:35:56	Q	5.5mb	0	HOKK
2009059(02/28)	14:33:06	Q	6.3mb	0	SOUT
2009060(03/01)	00:07:39		1.3ml	4	EAST
2009060(03/01)	02:32:52		1.8ml	4	EAST
2009060(03/01)	15:52:48		4.7nb	7	SOUT
2009060(03/01)	15:42:13	Q	5.2mb	0	FJJI
2009060(03/01)	17:12:36		2.0ml	4	EAST
2009061(03/02)	00:03:45	Q	5.7mb	0	SULA
2009061(03/02)	14:57:32		2.1ml	3	EAST
2009061(03/02)	18:44:01		1.7ml	3	EAST
2009061(03/02)	21:46:35		4.1ml	7	IRAN
2009062(03/03)	00:09:28			5	IRAN
2009062(03/03)	04:01:27		3.1ml	4	PERS
2009062(03/03)	04:03:02		3.5ml	3	IRAN
2009062(03/03)	04:06:16		1.8ml	3	EAST
2009062(03/03)	14:22:17	Q		0	AFCH
2009062(03/03)	16:21:48	Q	5.0mb	0	SICH
2009063(03/04)	20:45:30	Q	5.1mb	0	MARI
2009064(03/05)	10:49:36		1.0ml	3	EAST
2009064(03/05)	15:49:54	Q	5.1mb	0	SOUT
2009064(03/05)	19:41:40	Q	5.5mb	0	NORT
2009064(03/05)	22:03:06		1.8ml	5	EAST
2009065(03/06)	06:04:39		2.4ml	5	IRAN
2009065(03/06)	08:21:17		1.8ml	3	EAST
2009065(03/06)	08:42:39		1.6ml	3	EAST
2009065(03/06)	08:46:23		2.0ml	3	EAST
2009065(03/06)	10:50:29	Q		0	NORT
2009066(03/07)	14:33:06	Q	6.4mb	0	HOKK
2009066(03/07)	15:09:26		6.0mb	7	ARCT
2009066(03/07)	16:27:17	Q	5.6mb	0	FLOR
2009066(03/07)	16:25:54		6.7mb	8	SOUT
2009066(03/07)	23:19:40			3	EAST
2009066(03/07)	23:49:37		2.2ml	4	PERS
2009067(03/08)	12:05:20		1.9ml	3	IRAN
2009068(03/09)	13:08:49		1.3ml	3	EAST
2009069(03/10)	03:02:58		1.9ml	3	EAST
2009070(03/11)	00:34:15			3	IRAQ

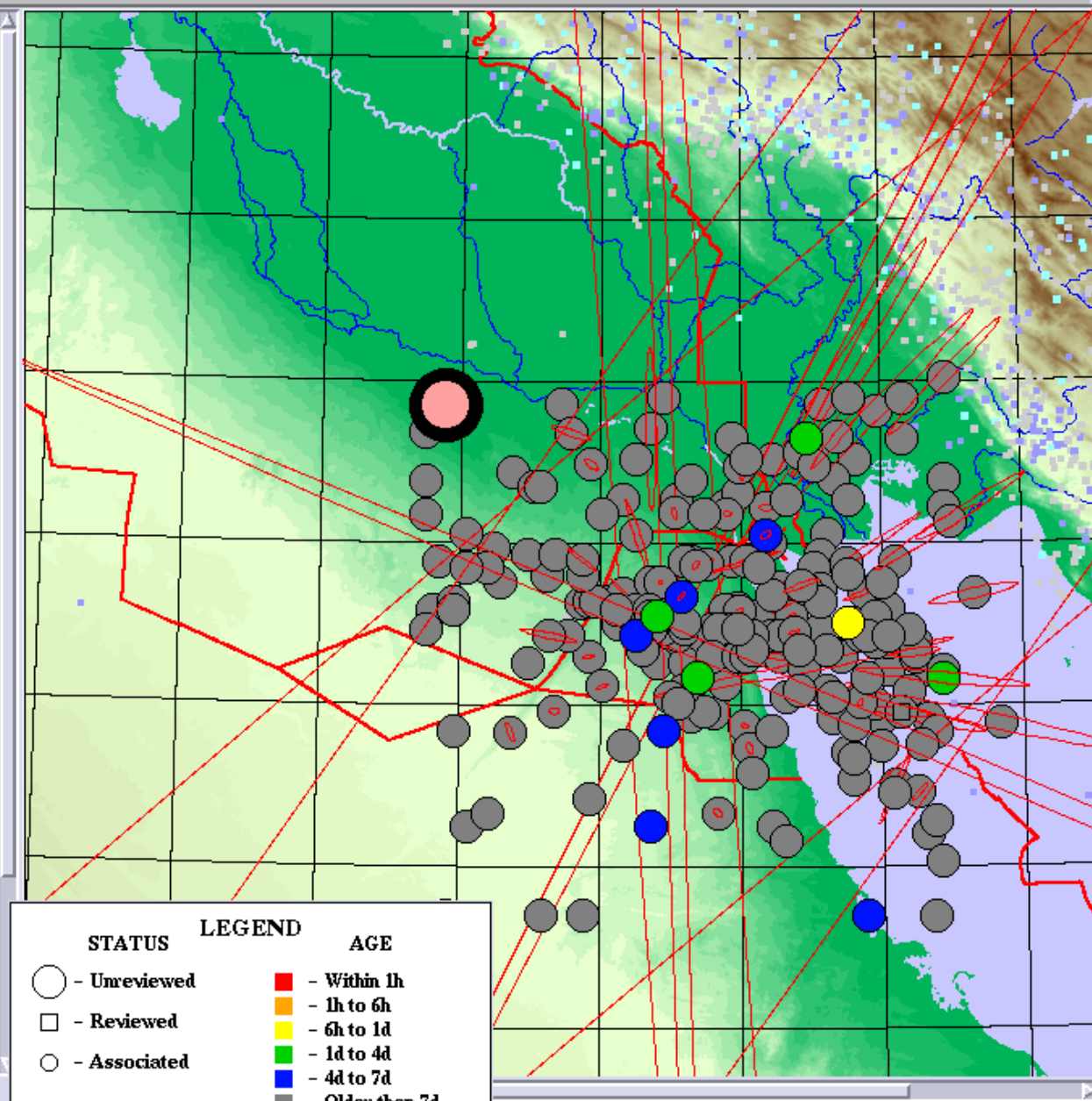
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2009070(03/11) 00:34:15 3 IRAQ
lat = 30.8469, lon = 45.8936, depth = 22.0000
orid = 8663, nass = 3, evid = 8664
auth = oa_1, algorithm = (3,90),
latency = 36:24 minutes

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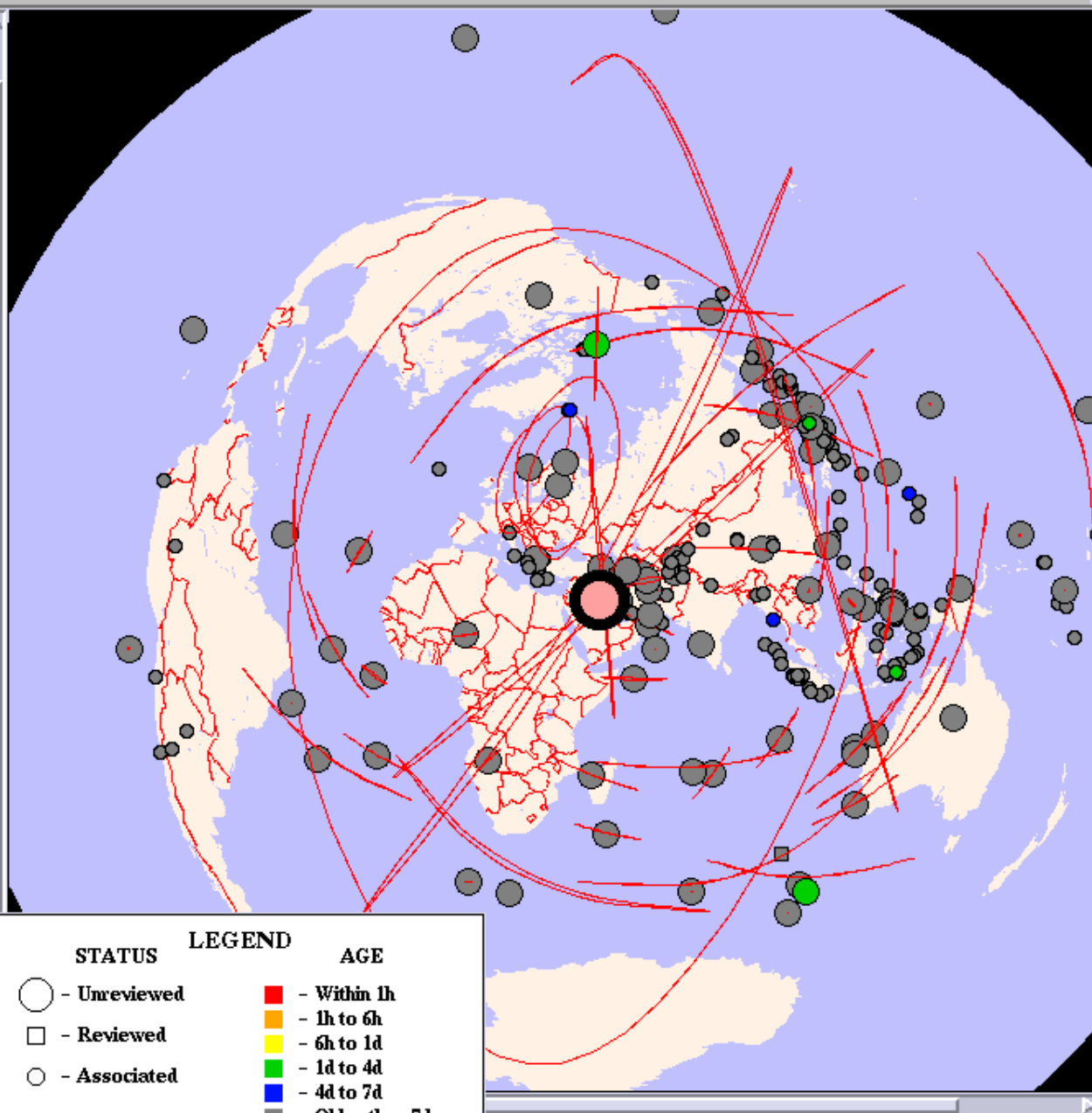
STATUS LEGEND AGE

- - Unreviewed
- - Reviewed
- - Associated
- - Within 1h
- - 1h to 6h
- - 6h to 1d
- - 1d to 4d
- - 4d to 7d
- - Older than 7d



2009056(02/25)	20:47:10	1.6ml		3	EAST	
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2009060(03/01)	15:52:48	Q	4.7mb	7	SOUT	
2009060(03/01)	15:42:13	Q	5.2mb	0	FIJI	
2009060(03/01)	17:12:36	Q	2.0ml	4	EAST	
2009061(03/02)	00:03:45	Q	5.7mb	0	SULA	
2009061(03/02)	14:57:32	Q	2.1ml	3	EAST	
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2009061(03/02)	21:46:35	Q	4.1ml	7	IRAN	
2009062(03/03)	00:09:28	Q		5.1ms	5	IRAN
2009062(03/03)	04:01:27	Q	3.1ml	4	PERS	
2009062(03/03)	04:03:02	Q	3.5ml	3	IRAN	
2009062(03/03)	04:06:16	Q	1.8ml	3	EAST	
2009062(03/03)	14:22:17	Q	5.0mb	0	AFGH	
2009062(03/03)	16:21:48	Q	5.0mb	0	SICH	
2009063(03/04)	20:45:30	Q	5.1mb	0	MARI	
2009064(03/05)	10:49:36	Q	1.0ml	3	EAST	
2009064(03/05)	15:49:54	Q	5.1mb	0	SOUT	
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2009065(03/06)	08:42:39	Q	1.6ml	3	EAST	
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2009066(03/07)	16:27:17	Q	5.6mb	0	FLOR	
2009066(03/07)	16:25:54	Q	6.7mb	8	SOUT	
2009066(03/07)	23:19:40	Q		3	EAST	
2009066(03/07)	23:49:37	Q	2.2ml	4	PERS	
2009067(03/08)	12:05:20	Q	1.9ml	3	IRAN	
2009068(03/09)	13:08:49	Q	1.3ml	3	EAST	
2009069(03/10)	03:02:58	Q	1.9ml	3	EAST	
2009070(03/11)	00:34:15	Q		3	IRAQ	

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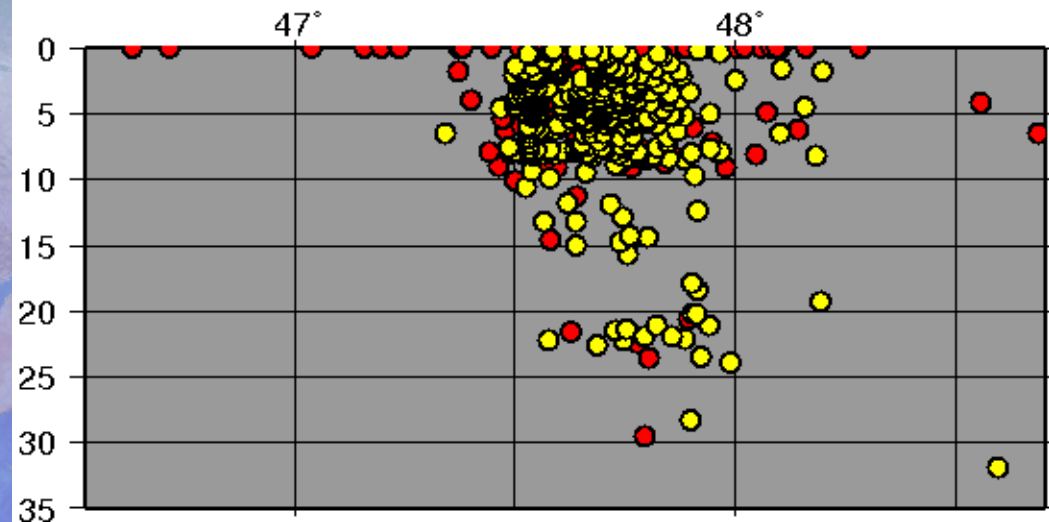
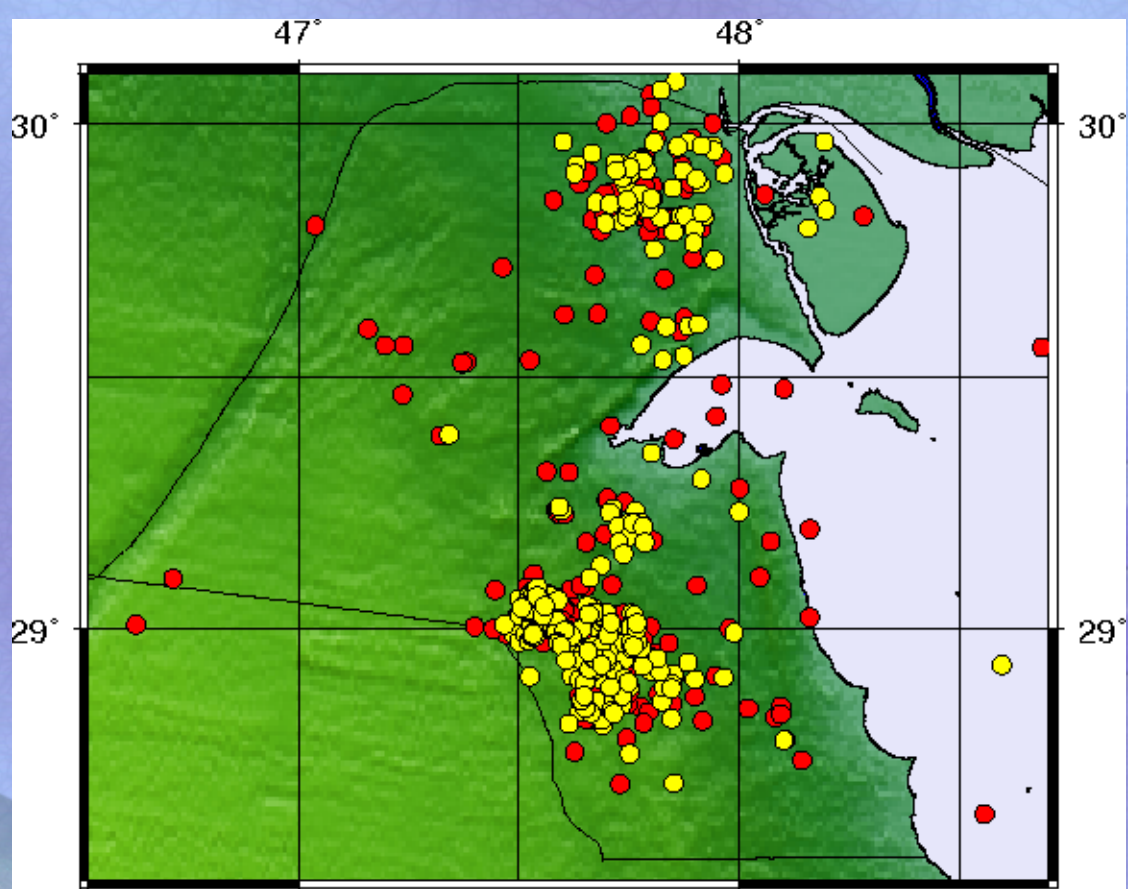
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Suggested Projects

- Oil Reservoir Characterization
- Seismic Site Effects
- Temporary Seismic Array for Northern Seismic Activity



Thank you

