Table 14. GT0-GT10 events relocated using Pn and Sn phases with and without SSSCs

evid	date	time	lat	lon	depth	mb	ml	GT	data source	n-def	n-sta	n-Pn	n-Sn	gap	min dist	max dist	C	D	Diff-dist	Diff-area	with-dist	with-area	cw	cwo
Figure 14: Lop Nor cluster																								
20817201	1969/09/22	16:15:01.5	41.373	88.352	0.0	5.2		5	ENGDAHL_HDC	5	5	5	0	276.9	14.3	16.8	C4	D1	0.9	29274.3	15.0	23701.2	1	1
20817202	1976/10/17	05:00:01.3	41.734	88.383	0.0	4.9		5	ENGDAHL_HDC	7	7	7	0	280.2	14.9	17.1	C4	D4	-2.9	22797	68.3	21692.9	1	1
20817203	1978/10/14	01:00:00.2	41.511	88.772	0.0	4.9		5	ENGDAHL_HDC	5	5	5	0	279.9	15.0	17.3	C4	D4	1	29810.3	61.0	28932.3	1	1
20817204	1983/10/06	10:00:00.5	41.523	88.705	0.0	5.5		5	ENGDAHL_HDC	7	7	7	0	239.5	8.8	16.1	C4	D3	-26.7	7404.9	38.7	6827.5	1	1
20817205	1984/10/03	06:00:00.5	41.577	88.706	0.0	5.4		5	ENGDAHL_HDC	13	13	13	0	199.2	8.9	17.7	C4	D3	-10.3	2475.7	24.4	2226.5	1	1
20817206	1984/12/19	06:00:00.8	41.738	88.365	0.0	4.7		5	ENGDAHL_HDC	9	9	9	0	287.5	14.8	18.1	C4	D4	45.8	24245.2	30.7	17197.4	1	1
20817207	1987/06/05	05:00:00.7	41.505	88.709	0.0	6.2		5	ENGDAHL_HDC	15	15	15	0	273.1	13.6	17.9	C4	D4	5.6	9387.8	34.8	6694.3	1	1
20817208	1988/09/29	07:00:00.5	41.737	88.353	0.0	4.6		5	ENGDAHL_HDC	6	6	6	0	221.9	9.3	16.9	C4	D4	-55.7	41093.9	115.9	35318.3	1	1
20817209	1990/05/26	08:00:00.3	41.555	88.707	0.0	5.5		5	ENGDAHL_HDC	24	24	24	0	174.0	7.6	17.6	C4	D1	4.4	1201.4	12.9	1109.1	1	1
20817211	1992/05/21	05:00:00.0	41.514	88.770	0.0	6.5		5	ENGDAHL_HDC	20	20	20	0	140.8	7.7	17.7	C4	D1	0.3	1175.3	12.1	1048.2	1	1
20817212	1992/09/25	08:00:00.9	41.726	88.382	0.0	5.0		5	ENGDAHL_HDC	16	16	16	0	141.3	7.4	17.6	C4	D1	0	1274.2	9.0	1148.3	1	1
20817213	1993/10/05	01:59:58.9	41.593	88.687	0.0	5.9		5	ENGDAHL_HDC	11	11	11	0	178.5	8.8	17.7	C4	D3	-7.6	1980.3	19.1	1934.5	1	1
20817214	1994/06/10	06:26:00.5	41.514	88.718	0.0	5.8		5	ENGDAHL_HDC	20	20	20	0	177.3	8.8	17.6	C4	D1	3.1	1568	12.4	1476.5	1	1
20817215	1994/10/07	03:26:00.3	41.556	88.736	0.0	5.9		5	ENGDAHL_HDC	21	21	21	0	178.0	8.9	17.6	C4	D1	4.7	1690.9	13.2	1527.4	1	1
20817216	1995/05/15	04:06:00.3	41.546	88.772	0.0	6.0		5	ENGDAHL_HDC	24	24	24	0	209.3	9.7	17.6	C4	D4	0.3	2105.2	24.2	1881.9	1	1
20817217	1995/08/17	01:00:00.3	41.530	88.768	0.0	5.9		5	ENGDAHL_HDC	16	16	16	0	240.8	8.6	15.9	C4	D4	14.1	4379.4	38.6	3968.1	1	1
20817218	1996/06/08	02:56:00.3	41.570	88.676	0.0	5.7		5	ENGDAHL_HDC	21	21	21	0	222.5	8.6	17.5	C4	D4	5	2535.3	27.0	2150.1	1	1
20817219	1996/07/29	01:49:00.4	41.763	88.369	0.0	4.7		5	ENGDAHL_HDC	19	19	19	0	191.0	10.1	17.5	C4	D1	4	1773.3	12.9	1486.2	1	1
20817210	1990/08/16	05:00:00.1	41.511	88.742	0.0	6.2		5	ENGDAHL_HDC	33	33	33	0	173.5	7.6	17.7	C4	D4	0.1	918.5	19.3	845.3	0	1

evid: event ID.
date, time, lat, lon, depth, mb, ml: GT information on the event.
GT: GT category of the event. GTX means location accuracy better than X km.
data source: data source for the origin information and sometimes for the arrival information as well (e.g. ENGDAHL_HDC, ISRAELSSON_JHD).
n-def: Number of defining phases.
n-sta: Number of defining stations.
n-Pn: Number of defining Pn phases with SSSCs.
n-Sn: Number of defining Sn phases with SSSCs.
gap, mindist, maxdist: azimuthal gap and minimum/maximum epicentral distance (in degrees)
C: Class C, defined based on locations relative to the GT accuracy
D: Class D, defined based on locations relative to 18 km mislocation
diff-dist: GT distance without SSSCs minus GT distance with SSSCs (km). Positive numbers indicate improvement.
diff-area: Ellipse area without SSSCs minus area with SSSCs (sqkm). Positive numbers indicate improvement.

with-dist: GT distance with SSSCs (km).
with-area: Ellipse area with SSSCs (sqkm)
cw: coverage with SSSCs. 1- covered; 0: otherwise
cwo: coverage without SSSCs. 1- covered; 0: otherwise