CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : **METALL**
Grid : **HORN**
Date : Jul 12, 1993

Line : **L7250W**
Tx Loop : **NE**
File name : 7250N.PEM

Data Scaled by Factor of 1.00

822611

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
25N	X	6 A7	1512.0	90	512	PP	253	-1969	200	157	113	84	62	42	37	14	15	8	3	0	0
50N	X	6 A7	1512.0	90	512	PP	251	-1423	245	165	123	93	58	44	28	15	12	4	3	3	2
75N	X	6 A7	1512.0	90	512	PP	249	-801	208	157	116	79	62	41	27	19	11	7	4	1	1
100N	X	6 A7	1512.0	90	512	PP	247	-461	204	173	109	79	53	39	20	15	11	5	4	3	1
125N	X	6 A7	1512.0	90	512	PP	245	-300	187	157	110	72	46	36	25	12	14	5	2	2	2
150N	X	7 A7	1512.0	90	512	PP	243	-47	-22	-17	-16	-19	-12	-14	-10	-10	-7	-3	-3	-2	-2
175N	X	6 A7	1512.0	90	512	PP	241	-308	239	162	129	90	50	34	24	15	8	5	4	1	1
200N	X	6 A7	1512.0	90	512	PP	239	-112	316	194	125	90	51	36	20	16	7	1	5	-1	1
225N	X	4 A7	1512.0	90	512	PP	237	-27	41	38	28	16	10	8	6	3	4	3	-1	-1	-2
250N	X	6 A7	1512.0	90	512	PP	235	9	432	267	162	94	64	38	19	10	5	3	0	-2	-1
275N	X	7 A7	1512.0	90	512	PP	233	-11	458	357	226	128	75	37	22	13	7	3	1	1	1
300N	X	5 A7	1512.0	90	512	PP	231	49	473	280	154	77	54	26	15	7	8	-5	2	0	1
325N	X	3 A7	1512.0	90	512	PP	229	20	415	308	188	99	55	18	17	7	5	3	-1	-7	-7
350N	X	5 A7	1512.0	90	512	PP	227	19	341	217	119	64	37	25	3	8	4	-2	3	-2	1
375N	X	5 A7	1512.0	90	512	PP	225	6	247	173	109	72	61	30	17	9	15	16	15	12	13
400N	X	6 A7	1512.0	90	512	PP	223	-44	229	156	83	52	22	23	2	5	0	-6	2	-3	-1
425N	X	6 A7	1512.0	90	512	PP	221	-87	122	84	52	41	17	1	5	-4	-1	-3	-3	-2	0
450N	X	5 A7	1512.0	90	512	PP	219	85	-17	-1	-2	18	-4	-6	-2	-10	3	-4	1	-1	1
475N	X	6 A7	1512.0	90	512	PP	217	-115	31	37	26	4	2	-4	1	6	-9	-6	-1	-1	0
500N	X	6 A7	1512.0	90	512	PP	215	-39	-33	-19	-5	-5	-11	3	-12	-3	-8	1	-2	-5	0
525N	X	6 A7	1512.0	90	512	PP	213	-66	-62	-24	-38	3	-6	-17	1	-7	-7	-6	-7	-4	0
550N	X	6 A7	1512.0	90	512	PP	211	-107	-121	-53	-44	-28	-10	-15	-16	-3	-10	-4	-3	-5	0
575N	X	7 A7	1512.0	90	512	PP	209	-58	-66	-72	-62	-61	-53	-40	-32	-23	-14	-7	-3	-3	-2
600N	X	6 A7	1512.0	90	512	PP	207	36	-215	-119	-86	-37	-40	-17	-16	-12	-12	-11	-3	1	-1
625N	X	7 A7	1512.0	90	512	PP	205	-19	-73	-22	-46	-36	-32	-29	-26	-25	-28	-16	-18	-5	-5
650N	X	5 A7	1512.0	90	512	PP	203	-29	-193	-136	-129	-69	-70	-52	-28	-28	-18	-9	-15	-12	-11
675N	X	6 A7	1512.0	90	512	PP	201	72	-328	-215	-120	-68	-69	-42	-25	-17	-12	-8	-4	-5	-1
700N	X	6 A7	1512.0	90	512	PP	199	-20	-284	-192	-110	-79	-54	-45	-26	-24	-12	-9	-7	-3	-3
725N	X	6 A7	1512.0	90	512	PP	197	-5	-17	-5	-11	-3	-9	-6	-4	-5	-5	-4	-6	-6	-7
750N	X	6 A7	1512.0	90	512	PP	195	-36	-355	-212	-130	-80	-71	-47	-27	-26	-24	-9	-5	-4	-2
775N	X	7 A7	1512.0	90	512	PP	193	18	-100	-105	-106	-101	-87	-78	-62	-46	-33	-20	-12	-8	-3
800N	X	6 A7	1512.0	90	512	PP	191	53	-356	-221	-142	-96	-67	-54	-37	-25	-20	-14	-8	-5	-5
825N	X	6 A7	1512.0	90	512	PP	189	62	-363	-233	-141	-104	-80	-42	-37	-24	-13	-14	-6	-4	-4
850N	X	6 A7	1512.0	90	512	PP	187	67	-341	-239	-135	-94	-68	-49	-40	-25	-21	-15	-7	-3	-2
875N	X	6 A7	1512.0	90	512	PP	185	10	-325	-185	-153	-85	-81	-52	-41	-30	-20	-11	-10	-4	-1
900N	X	7 A7	1512.0	90	512	PP	183	135	-520	-356	-213	-133	-91	-64	-44	-30	-21	-16	-6	-5	-3
925N	X	7 A7	1512.0	90	512	PP	180	81	-88	-97	-100	-96	-89	-79	-68	-54	-40	-26	-17	-10	-6
25N	Z	7 A7	1512.0	90	512	PP	252	33140	83	240	292	228	207	158	117	88	64	45	32	19	12
50N	Z	7 A7	1512.0	90	512	PP	250	15380	178	270	262	217	184	148	113	82	63	41	28	18	11
75N	Z	7 A7	1512.0	90	512	PP	248	12360	256	260	257	215	180	145	110	80	60	42	27	17	10
100N	Z	6 A7	1512.0	90	512	PP	246	8364	1561	1077	736	477	322	229	166	123	88	62	43	28	19
125N	Z	6 A7	1512.0	90	512	PP	244	1858	1552	1531	1441	1356	1251	1123	989	836	673	515	366	238	141
150N	Z	7 A7	1512.0	90	512	PP	242	126	61	62	60	57	52	46	44	36	32	25	17	10	5
175N	Z	7 A7	1512.0	90	512	PP	240	47	-12	-12	-13	-14	-13	-15	-14	-14	-12	-12	-11	-11	-9
200N	Z	5 A7	1512.0	90	512	PP	238	5804	378	333	286	240	195	155	117	88	62	40	28	18	10
225N	Z	7 A7	1512.0	90	512	PP	236	341	278	272	260	247	229	208	190	163	137	110	81	57	36
250N	Z	7 A7	1512.0	90	512	PP	234	89	46	46	45	41	38	33	31	25	22	16	10	6	2
275N	Z	6 A7	1512.0	90	512	PP	232	3122	2493	2265	2052	1759	1466	1170	876	616	402	245	145	84	53
300N	Z	5 A7	1512.0	90	512	PP	230	4824	1979	1254	775	474	315	223	158	114	82	56	37	24	15
325N	Z	6 A7	1512.0	90	512	PP	228	644	588	532	517	464	428	382	326	267	210	154	106	64	40
350N	Z	3 A7	1512.0	90	512	PP	226	4765	1377	886	677	467	331	238	181	121	92	54	55	45	32
375N	Z	1 A7	1512.0	90	512	PP	224	4631	1387	965	757	535	408	281	194	107	69	50	16	2	13
400N	Z	5 A7	1512.0	90	512	PP	222	4721	1011	629	455	330	244	176	130	92	64	41	28	17	10
425N	Z	5 A7	1512.0	90	512	PP	220	4679	1068	662	466	339	247	186	135	97	66	42	30	17	11
450N	Z	5 A7	1512.0	90	512	PP	218	4662	1089	681	479	348	250	191	135	97	64	45	30	17	11
475N	Z	5 A7	1512.0	90	512	PP	216	4646	1078	675	479	342	253	184	134	96	66	45	28	17	9
500N	Z	5 A7	1512.0	90	512	PP	214	4639	871	587	442	324	242	175	130	92	64	43	27	15	10
525N	Z	5 A7	1512.0	90	512	PP	212	4650	921	605	450	330	244	179	129	94	63	43	27	17	9
550N	Z	5 A7	1512.0	90	512	PP	210	4665	884	579	433	322	242	173	129	92	64	42	27	17	10
575N	Z	5 A7	1512.0	90	512	PP	208	4680	844	564	427	320	240	180	129	92	64	42	28	17	10
600N	Z	5 A7	1512.0	90	512	PP	206	4711	832	554	427	312	238	178	129	90	64	42	29	17	10
625N	Z	5 A7	1512.0	90	512	PP	204	4751	818	532	410	315	234	176	128	91	66	39	28	17	8
650N	Z	5 A7	1512.0	90	512	PP	202	4858	950	573	436	321	239	180	133	91	64	42	30	17	9
675N	Z	5 A7	1512.0	90	512	PP	200	4979	843	533	404	310	236	174	126	94	63	40	27	20	9
700N	Z	5 A7	1512.0	90	512	PP	198	3751	2927	2612	2277	1870	1469	1088	749	473	275	150	82	45	29
725N	Z	7 A7	1512.0	90	512	PP	196	607	559	536	513	476	439	395	346	293	234	178	123	77	44
750N	Z	5 A7	1512.0	90	512	PP	194	5480	640	434	359	283	218	164	120	89	62	40	27	14	8
775N	Z	5 A7	1512.0	90	512	PP	192	5761	652	410	345	273	211	164	120	83	60	38	26	17	8
800N	Z	5 A7	1512.0	90	512	PP	190	6177	535	375	320	265	206	155	116	83	57	39	26	16	8
825N	Z	5 A7	1512.0	90	512	PP	188	6832	644	399	340	276	209	165	112	88	61	37	26	15	8
850N	Z	7 A7	1512.0	90	512	PP	186	602	555	543	527	503	475	440	403	358	307	253	196	141	94
875N	Z	7 A7	1512.0	90	512	PP	184	8859	594	375	331	270	208	159	117	82	60	39	25	16	9
900N	Z	7 A7	1512.0	90	512	PP	181	10860	546	356	328	269	211	159	115	86	58	38	26	16	8
925N	Z	7 A7	1512.0	90	512	PP	179	16790	773	349	344	295	224	176	125	92	63	41	27	17	9

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 12, 1993

Line : L7250W
Tx Loop : NE
File name : 7250N.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
25N X	1	1	1	-1	-1	-1	0
50N X	1	0	0	-1	0	0	-1
75N X	1	1	2	1	2	2	0
100N X	0	-1	0	0	1	0	1
125N X	0	0	-2	-1	0	-1	0
150N X	0	-1	0	0	1	1	1
175N X	0	0	1	0	1	0	1
200N X	2	0	0	1	0	0	0
225N X	-1	-1	-1	-1	0	0	-1
250N X	-1	1	1	-1	0	1	-1
275N X	0	0	0	1	0	0	0
300N X	-5	1	1	0	0	-1	-1
325N X	-5	-3	-2	-4	-1	-4	-3
350N X	0	1	0	-2	1	-1	-1
375N X	24	26	23	23	11	10	6
400N X	-2	1	0	1	0	1	1
425N X	2	2	0	-2	0	0	-1
450N X	0	1	1	0	2	-1	0
475N X	-2	0	1	2	-2	1	0
500N X	0	-1	-1	-1	0	1	1
525N X	1	1	1	0	0	-1	0
550N X	5	0	0	1	0	1	0
575N X	-1	-1	-3	-6	-6	-1	5
600N X	2	-1	-1	1	-2	0	0
625N X	-11	-27	-20	-15	-12	-15	-10
650N X	-10	-9	-9	-8	-7	-6	-11
675N X	-1	-3	0	3	-1	-2	0
700N X	-1	1	1	1	-1	0	0
725N X	-6	-4	-2	-1	4	8	2
750N X	-2	1	1	2	0	0	0
775N X	-1	0	0	1	1	1	1
800N X	-1	-1	0	-1	0	2	0
825N X	-1	0	-1	-1	0	0	-1
850N X	1	-3	-1	-2	0	-1	0
875N X	-1	0	-2	-1	0	1	-1
900N X	-1	0	-1	1	0	0	0
925N X	-2	-1	0	0	0	1	1
25N Z	7	3	2	1	1	0	0
50N Z	6	3	2	0	0	-1	0
75N Z	6	4	2	1	0	0	0
100N Z	12	8	4	2	2	1	0
125N Z	76	39	19	10	8	6	2
150N Z	2	1	0	0	1	0	0
175N Z	-7	-4	-3	-2	0	0	-1
200N Z	6	3	1	0	0	0	0
225N Z	21	12	6	3	2	1	1
250N Z	1	1	0	0	0	0	0
275N Z	34	24	16	13	11	9	7
300N Z	9	6	4	3	2	1	1
325N Z	24	16	10	7	1	-1	0
350N Z	34	22	1	21	12	18	25
375N Z	5	13	18	22	11	-3	-8
400N Z	5	3	1	0	0	0	-1
425N Z	6	3	1	1	0	0	0
450N Z	6	3	2	1	1	0	1
475N Z	6	2	1	0	1	0	-1
500N Z	5	2	1	1	0	0	-1
525N Z	6	3	1	-1	0	0	-1
550N Z	6	3	1	0	1	0	0
575N Z	5	2	0	1	0	0	0
600N Z	5	2	2	0	0	0	-1
625N Z	5	2	1	0	1	0	0
650N Z	6	3	1	0	0	-1	-1
675N Z	5	2	1	0	0	0	-1
700N Z	21	15	12	9	9	9	7
725N Z	22	10	3	1	1	0	-1
750N Z	6	3	2	1	0	0	0
775N Z	5	3	1	1	0	1	0
800N Z	5	2	1	1	0	0	0
825N Z	5	2	2	0	-1	0	0
850N Z	57	30	13	5	2	1	0
875N Z	5	4	1	0	0	0	-1
900N Z	6	3	1	1	0	1	0
925N Z	5	2	2	1	0	0	0

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 15, 1993

Line : L7250W
Tx Loop : SE
File name : 7250S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
975S	X	6 A7	1512.0	90	512	PP	498	-2069	115	82	53	41	19	30	16	8	12	3	6	5	4
950S	X	6 A7	1512.0	90	512	PP	496	-1146	120	82	83	38	38	11	17	13	3	2	0	0	2
925S	X	6 A7	1512.0	90	512	PP	494	-1124	115	73	50	46	18	28	14	7	6	3	-2	-1	0
900S	X	6 A7	1512.0	90	512	PP	492	-951	131	90	62	30	34	12	19	14	0	7	4	3	2
875S	X	7 A7	1512.0	90	512	PP	490	-624	-241	-208	-167	-134	-94	-65	-36	-21	-7	-3	-1	0	-1
850S	X	6 A7	1512.0	90	512	PP	488	-605	124	85	48	33	29	16	17	8	7	4	1	4	1
825S	X	6 A7	1512.0	90	512	PP	486	-543	98	83	53	42	29	21	8	16	1	7	3	0	1
800S	X	6 A7	1512.0	90	512	PP	484	-471	102	75	41	20	23	20	22	7	8	5	-3	4	-3
775S	X	6 A7	1512.0	90	512	PP	482	-340	120	51	53	48	12	14	13	15	4	7	-1	2	0
750S	X	6 A7	1512.0	90	512	PP	480	-317	97	72	59	35	29	10	14	13	7	5	2	0	2
725S	X	6 A7	1512.0	90	512	PP	500	-255	90	62	47	33	24	21	15	15	9	5	8	2	1
700S	X	6 A7	1512.0	90	512	PP	502	-256	79	71	45	42	41	33	22	18	11	12	7	8	4
675S	X	4 A7	1512.0	90	512	PP	504	-246	162	177	161	108	109	89	93	48	56	45	28	21	14
650S	X	5 A7	1512.0	90	512	PP	506	-276	106	67	62	60	55	39	37	16	23	15	10	8	3
625S	X	6 A7	1512.0	90	512	PP	508	-223	45	63	21	20	23	1	11	9	4	7	3	1	1
600S	X	6 A7	1512.0	90	512	PP	510	-183	35	50	21	-1	14	14	11	7	5	5	3	3	-1
575S	X	6 A7	1512.0	90	512	PP	512	-226	22	19	13	4	4	16	8	0	6	3	-1	2	2
550S	X	6 A7	1512.0	90	512	PP	514	-271	8	6	11	15	2	9	-1	7	4	3	4	0	2
525S	X	6 A7	1512.0	90	512	PP	516	-298	-11	10	-10	14	7	4	11	5	3	1	2	5	-1
500S	X	6 A7	1512.0	90	512	PP	518	-324	1	-1	-4	-5	1	-2	4	1	2	-1	3	2	0
475S	X	7 A7	1512.0	90	512	PP	599	-336	-15	7	0	-3	10	-1	4	4	5	1	1	2	1
450S	X	7 A7	1512.0	90	512	PP	601	-453	-34	-14	-8	-3	-5	1	4	0	5	4	2	1	1
425S	X	7 A7	1512.0	90	512	PP	603	-496	-50	-18	-10	-9	-1	-1	3	2	4	0	1	3	0
400S	X	7 A7	1512.0	90	512	PP	605	-544	-71	-36	-23	-14	-5	-2	-2	5	4	2	3	3	1
375S	X	7 A7	1512.0	90	512	PP	607	-610	-99	-49	-31	-18	-7	-3	-1	0	3	1	3	1	2
350S	X	7 A7	1512.0	90	512	PP	609	-592	-78	-51	-27	-15	-11	-3	1	-1	3	0	2	-1	0
325S	X	7 A7	1512.0	90	512	PP	611	-581	-71	-38	-29	-19	-10	-2	-4	0	1	0	0	0	-1
300S	X	7 A7	1512.0	90	512	PP	613	-611	-114	-66	-45	-26	-13	-6	0	0	2	0	2	-1	2
275S	X	7 A7	1512.0	90	512	PP	615	-505	-35	-17	-17	-6	-5	-3	-2	-2	3	1	2	2	3
250S	X	7 A7	1512.0	90	512	PP	617	-574	-99	-61	-38	-29	-12	-10	1	1	-1	-1	0	-1	1
225S	X	7 A7	1512.0	90	512	PP	619	-581	-114	-66	-57	-35	-23	-10	-8	-2	0	1	2	-2	0
200S	X	7 A7	1512.0	90	512	PP	621	-647	-118	-79	-55	-42	-24	-11	-7	-1	1	-1	2	0	0
175S	X	7 A7	1512.0	90	512	PP	623	-702	-183	-112	-76	-52	-31	-20	-7	-4	-2	-4	-2	1	-1
150S	X	7 A7	1512.0	90	512	PP	625	-773	-158	-110	-79	-41	-28	-23	-7	-9	2	-1	1	-2	1
125S	X	7 A7	1512.0	90	512	PP	627	-785	-187	-125	-87	-66	-35	-18	-14	-4	-2	-1	0	-1	-1
100S	X	7 A7	1512.0	90	512	PP	629	-1074	-134	-106	-78	-54	-32	-21	-11	-7	0	-1	0	0	0
75S	X	7 A7	1512.0	90	512	PP	631	-1169	-121	-80	-70	-50	-29	-23	-11	-6	-4	-2	0	-1	0
50S	X	6 A7	1512.0	90	512	PP	633	-1464	-151	-117	-103	-61	-37	-26	-16	-4	-5	0	-3	-3	0
25S	X	6 A7	1512.0	90	512	PP	635	-2566	-143	-105	-92	-62	-42	-25	-16	-10	-3	3	1	-3	1
975S	Z	7 A7	1512.0	90	512	PP	497	24610	154	178	195	143	115	82	55	41	30	21	14	9	6
950S	Z	7 A7	1512.0	90	512	PP	495	13530	229	190	186	141	107	75	55	38	28	21	12	8	6
925S	Z	7 A7	1512.0	90	512	PP	493	10080	247	220	196	147	107	81	57	41	29	21	14	8	6
900S	Z	7 A7	1512.0	90	512	PP	491	8143	275	230	208	155	109	86	63	42	30	24	13	10	6
875S	Z	5 A7	1512.0	90	512	PP	489	6958	293	229	208	160	111	84	59	41	29	21	13	8	4
850S	Z	5 A7	1512.0	90	512	PP	487	6346	309	258	211	152	118	87	65	41	35	23	15	7	7
825S	Z	5 A7	1512.0	90	512	PP	485	5957	316	267	213	157	120	92	66	45	31	21	16	11	7
800S	Z	5 A7	1512.0	90	512	PP	483	5593	331	263	224	164	127	89	69	47	34	22	15	11	7
775S	Z	5 A7	1512.0	90	512	PP	481	5292	401	307	247	183	145	100	74	51	40	24	20	11	8
750S	Z	5 A7	1512.0	90	512	PP	479	5081	381	310	252	190	139	106	71	54	41	31	21	13	10
725S	Z	5 A7	1512.0	90	512	PP	499	4834	393	319	261	191	144	116	83	56	46	30	23	15	10
700S	Z	5 A7	1512.0	90	512	PP	501	4664	410	328	265	210	179	130	98	83	59	40	28	17	12
675S	Z	5 A7	1512.0	90	512	PP	503	4585	538	395	348	266	209	169	124	102	76	48	37	24	17
650S	Z	5 A7	1512.0	90	512	PP	505	4545	229	187	128	81	63	16	22	4	3	-3	-5	-1	0
625S	Z	5 A7	1512.0	90	512	PP	507	4496	465	269	187	146	74	51	22	13	0	0	0	-2	0
600S	Z	5 A7	1512.0	90	512	PP	509	4402	303	212	176	118	90	59	25	21	12	2	1	3	2
575S	Z	5 A7	1512.0	90	512	PP	511	4358	332	260	183	134	94	58	46	24	14	8	7	3	1
550S	Z	5 A7	1512.0	90	512	PP	513	4298	336	248	196	142	101	68	39	27	17	10	6	3	2
525S	Z	5 A7	1512.0	90	512	PP	515	4234	290	231	187	135	92	70	45	28	19	13	9	6	2
500S	Z	5 A7	1512.0	90	512	PP	517	4179	256	219	177	130	91	66	42	32	19	13	9	6	4
475S	Z	5 A7	1512.0	90	512	PP	598	4235	347	267	205	145	107	74	54	29	21	14	9	6	3
450S	Z	5 A7	1512.0	90	512	PP	600	4290	349	266	210	162	107	74	53	34	27	13	10	6	3
425S	Z	5 A7	1512.0	90	512	PP	602	4319	377	289	238	167	115	84	57	38	26	14	10	7	3
400S	Z	5 A7	1512.0	90	512	PP	604	4396	349	283	225	153	117	80	58	38	25	18	11	6	4
375S	Z	5 A7	1512.0	90	512	PP	606	4465	356	281	227	164	114	83	59	38	27	16	9	7	3
350S	Z	5 A7	1512.0	90	512	PP	608	4552	342	275	222	177	118	86	60	38	28	19	12	8	5
325S	Z	5 A7	1512.0	90	512	PP	610	4621	317	245	202	156	117	83	60	41	30	18	12	7	6
300S	Z	5 A7	1512.0	90	512	PP	612	4776	352	286	233	174	120	88	61	38	29	18	12	8	4
275S	Z	5 A7	1512.0	90	512	PP	614	4922	330	286	230	172	123	89	62	42	29	18	14	9	5
250S	Z	5 A7	1512.0	90	512	PP	616	5105	324	264	222	163	125	86	60	40	29	19	12	8	4
225S	Z	5 A7	1512.0	90	512	PP	618	5297	299	254	204	159	115	86	62	39	27	17	14	7	6
200S	Z	5 A7	1512.0	90	512	PP	620	5632	317	261	219	162	114	86	64	43	32	19	13	9	5
175S	Z	5 A7	1512.0	90	512	PP	622	6201	316	279	243	178	131	94	65	45	32	20	13	7	6
150S	Z	5 A7	1512.0	90	512	PP	624	6541	306	274	240	173	129	93	67	46	32	21	13	9	6
125S	Z	5 A7	1512.0	90	512	PP	626	7353	293	271	232	173	126	95	67	42	32	24	13	8	5
100S	Z	7 A7	1512.0	90	512	PP	628	8587	286	276	229	179	136	94	68	47	31	19	15	9	6
75S	Z	7 A7	1512.0	90	512	PP	630	10270	283	263	214	164	125	95	63	47	33	21	14	10	6
50S	Z	7 A7	1512.0	90	512	PP	632	14950	253	252	240	179	138	97	67	52	33	22	16	10	7
25S	Z	7 A7	1512.0	90	512	PP	634	20120	201	246	242	174	143	106	70	47	34	22	16	11	8

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 15, 1993

Line : L7250W
Tx Loop : SE
File name : 7250S.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
975S X	1	0	-1	0	-1	0	0
950S X	1	0	0	0	-1	1	0
925S X	0	-1	-2	-2	-4	0	-1
900S X	2	-1	-1	-1	0	-1	1
875S X	0	0	0	0	0	0	-1
850S X	2	2	0	-1	1	1	0
825S X	2	1	1	-1	1	0	0
800S X	-1	0	1	0	0	0	-1
775S X	0	2	1	-1	-2	0	1
750S X	1	1	0	0	0	-1	0
725S X	-1	1	1	-1	0	0	2
700S X	0	1	-1	1	0	0	0
675S X	4	2	0	1	-2	1	0
650S X	4	0	2	-2	-1	-1	0
625S X	2	1	1	0	0	-1	0
600S X	-3	-1	0	-1	-1	-1	0
575S X	0	-1	-2	0	0	-1	0
550S X	1	0	1	-1	0	0	0
525S X	3	0	0	2	0	-1	-1
500S X	-2	0	2	0	0	0	0
475S X	1	1	0	0	-1	0	0
450S X	1	0	-1	0	0	0	0
425S X	-1	-1	0	-1	0	0	0
400S X	1	-1	0	0	0	1	-1
375S X	0	0	1	1	1	0	1
350S X	0	-1	0	-1	-1	0	0
325S X	-2	-1	-1	-1	-1	0	-1
300S X	1	1	0	-1	-1	0	1
275S X	0	-1	0	1	0	-1	0
250S X	-1	-1	0	0	0	0	0
225S X	-3	0	0	0	0	-1	0
200S X	1	0	-1	0	0	1	0
175S X	0	0	0	1	0	0	0
150S X	1	0	1	1	1	1	0
125S X	-1	0	-1	-1	0	0	0
100S X	0	3	1	0	0	1	1
75S X	2	0	-1	0	0	0	0
50S X	-1	-2	-1	-2	-1	0	0
25S X	1	2	1	0	1	0	0
975S Z	3	4	2	0	0	0	0
950S Z	4	2	1	0	0	0	0
925S Z	3	3	1	0	1	0	0
900S Z	3	2	1	0	1	0	0
875S Z	2	2	0	0	-1	-1	-1
850S Z	3	1	0	-1	0	0	-1
825S Z	4	3	1	1	0	0	-1
800S Z	4	1	1	0	0	0	0
775S Z	4	2	1	0	0	-1	-1
750S Z	5	2	2	0	-1	0	0
725S Z	4	2	1	0	0	-1	0
700S Z	4	2	3	0	0	-1	0
675S Z	7	5	3	1	0	-1	0
650S Z	-1	2	0	0	1	0	-1
625S Z	0	2	0	1	-1	0	0
600S Z	1	0	0	1	0	0	-1
575S Z	1	2	0	0	0	0	0
550S Z	3	1	2	0	1	0	1
525S Z	1	0	2	0	0	-1	-1
500S Z	2	2	1	0	1	-1	0
475S Z	2	1	1	0	1	0	0
450S Z	3	1	1	0	0	0	0
425S Z	3	2	0	1	-1	1	0
400S Z	3	2	1	0	1	0	0
375S Z	3	2	1	0	1	0	0
350S Z	3	1	1	0	0	1	0
325S Z	5	3	2	1	1	0	-1
300S Z	3	1	1	0	0	0	0
275S Z	4	2	1	0	0	0	0
250S Z	3	1	1	0	0	0	0
225S Z	2	2	1	0	0	0	-1
200S Z	3	1	2	0	0	0	0
175S Z	3	3	2	0	0	0	0
150S Z	3	3	1	1	0	0	0
125S Z	4	3	1	1	0	0	0
100S Z	3	2	1	0	-1	0	-1
75S Z	4	2	2	1	-1	0	0
50S Z	5	4	3	2	2	2	1
25S Z	4	2	1	1	1	-1	0

1

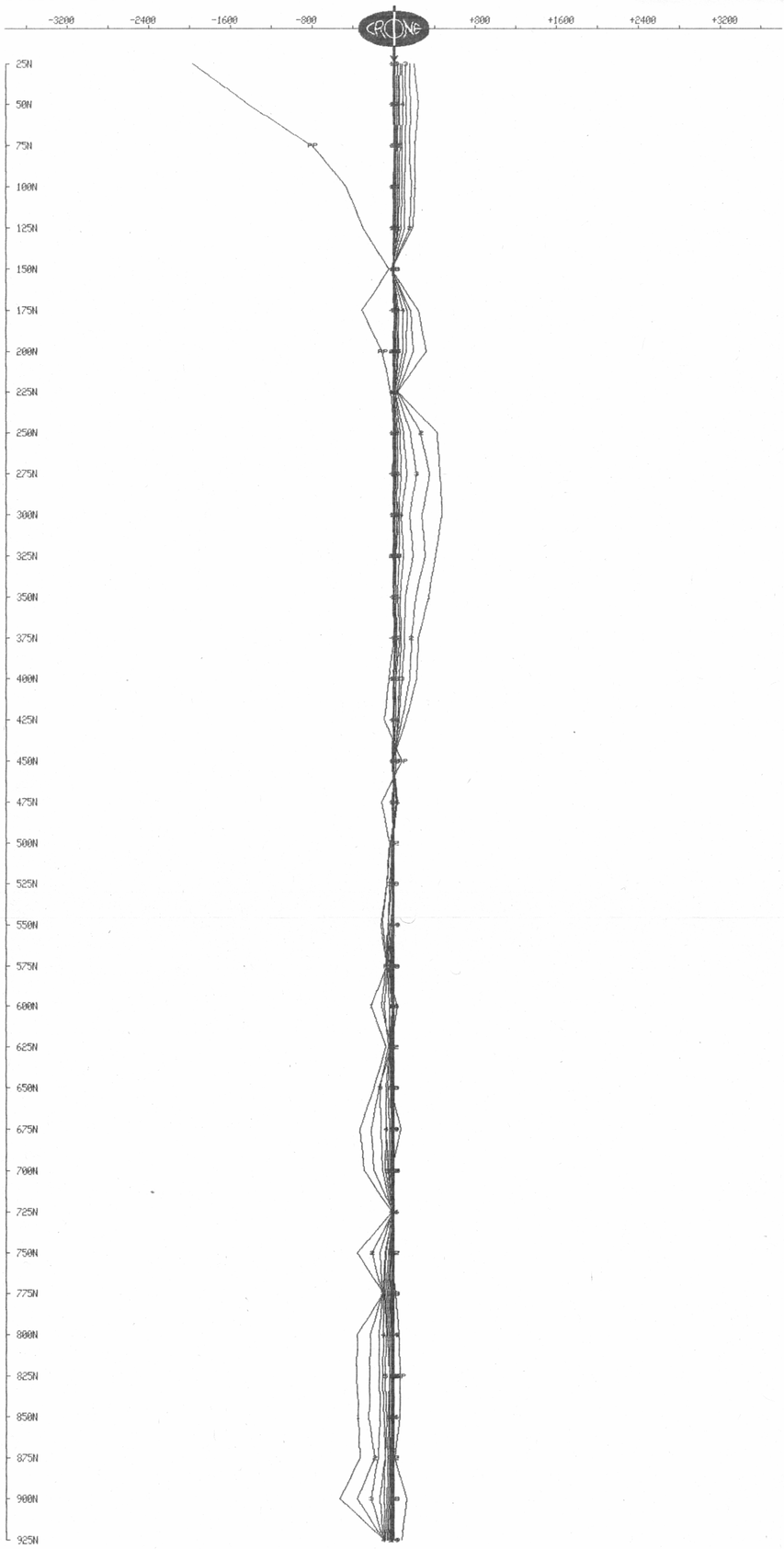
CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7250W
Grid	: HORN	Tx Loop	: NE
Date	: Jul 12, 1993	File name	: 7250N.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



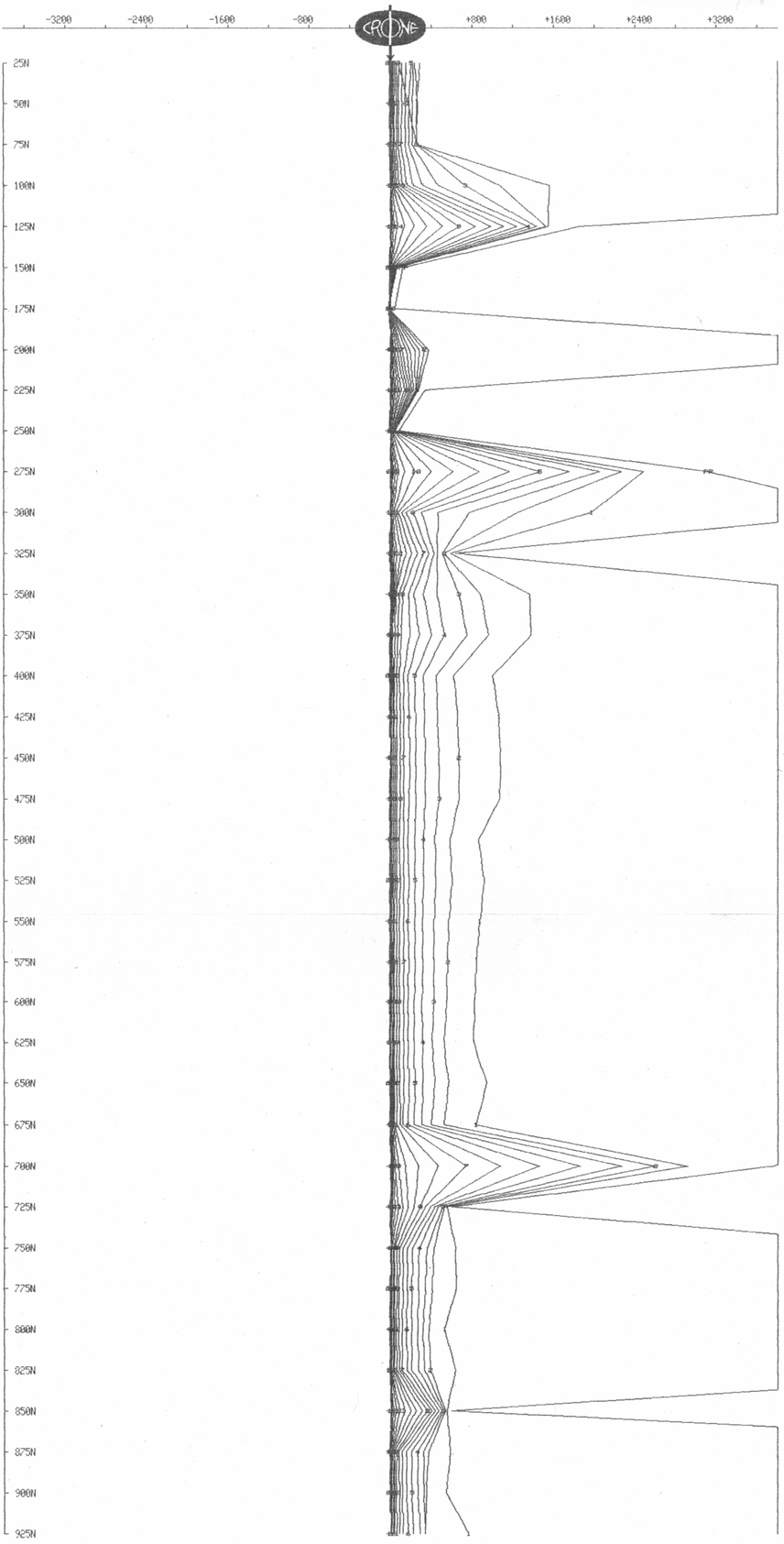
1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7250W
Grid	: HORN	Tx Loop	: NE
Date	: Jul 12, 1993	File name	: 7250N.PEM

Data Scaled by Factor of 1.00
VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

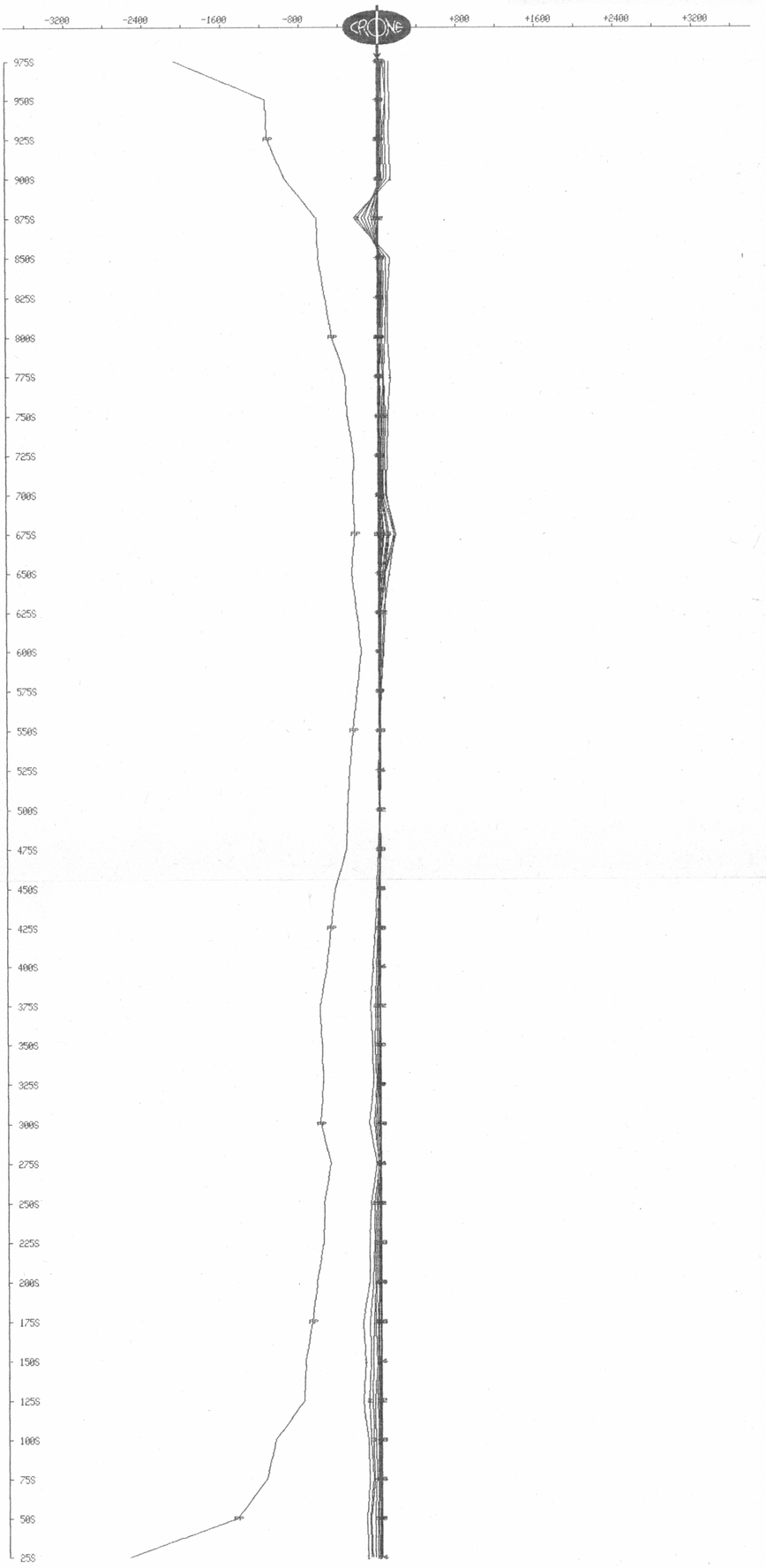
CRONE GEOPHYSICS & EXPLORATION LTDO
SURFACE PEM

Client	: METALL	Line	: L7250W
Grid	: HORN	Tx Loop	: SE
Date	: Jul 15, 1993	File name	: 7250S.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

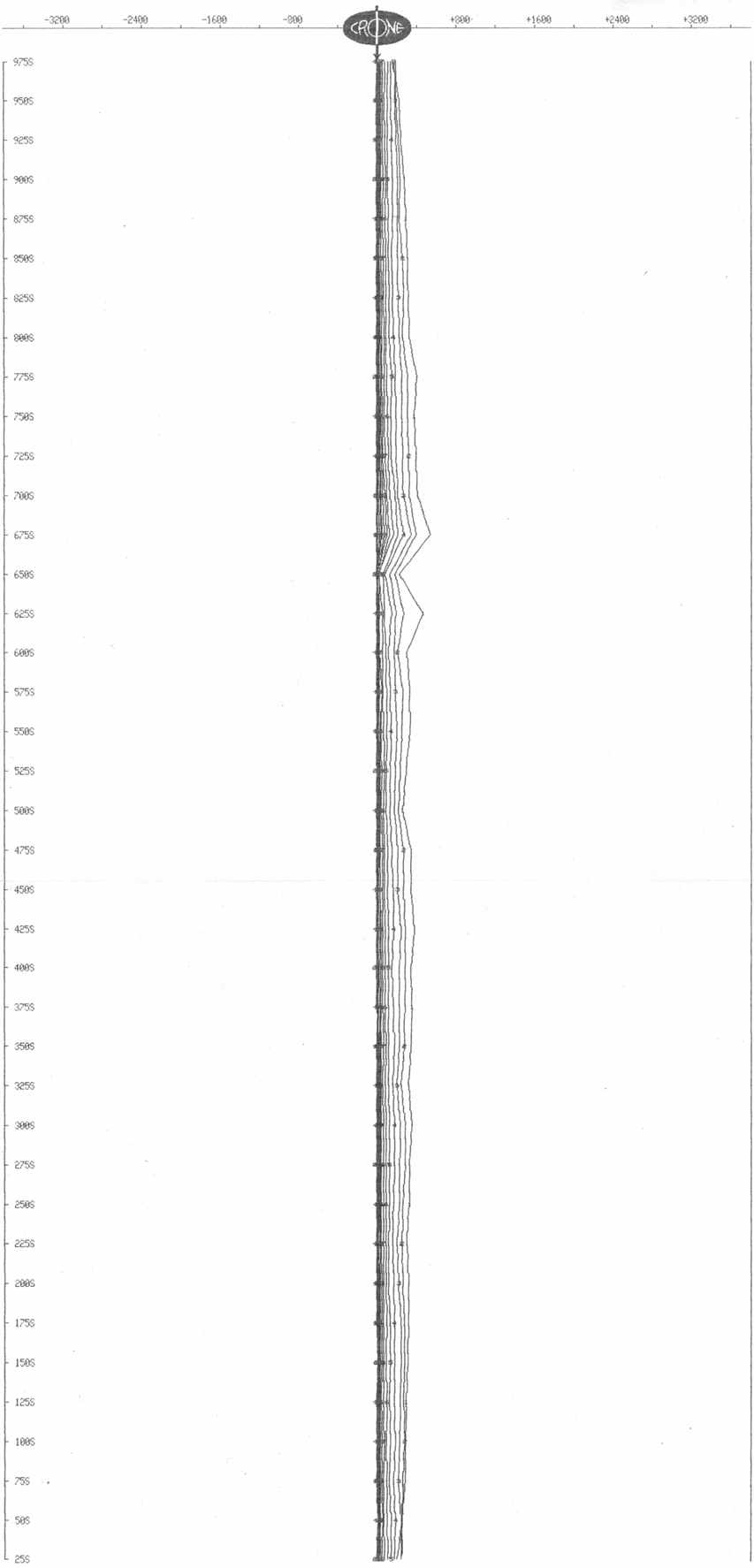
CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L7250W
Grid	: HORN	Tx Loop	: SE
Date	: Jul 15, 1993	File name	: 7250S.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 15, 1993

Line : L7500W
Tx Loop : SE
File name : 7500S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	14	15	16	17	18	19	20
975S	X	2	-1	0	0	0	0	1
950S	X	0	0	0	1	-1	0	0
925S	X	0	0	-1	-1	0	0	0
900S	X	1	0	1	0	0	0	0
875S	X	1	0	0	1	-1	0	0
850S	X	0	-1	0	0	0	0	0
825S	X	0	0	-1	0	0	-1	0
800S	X	0	0	0	0	-1	0	0
775S	X	0	0	1	0	0	0	0
750S	X	1	0	-1	1	0	0	0
725S	X	1	0	1	0	0	0	0
700S	X	1	0	-1	-1	0	0	0
675S	X	0	0	-2	0	-1	0	-1
650S	X	-3	-1	0	0	-1	0	-1
625S	X	0	0	0	0	0	1	0
600S	X	1	0	1	0	0	1	0
575S	X	-1	1	1	-1	-1	-1	0
550S	X	-2	1	2	-1	0	1	0
525S	X	-2	0	0	0	0	0	0
500S	X	0	0	-1	0	0	1	0
475S	X	0	-1	0	0	1	0	0
450S	X	1	0	0	0	-1	0	-1
425S	X	6	1	2	-1	-1	0	-2
400S	X	2	1	-1	-1	0	0	0
375S	X	-1	-1	1	1	-1	-1	0
350S	X	0	2	0	-1	-1	0	0
325S	X	0	0	-1	-1	0	0	0
300S	X	0	-2	-1	0	0	0	0
275S	X	-1	1	0	0	0	-1	0
250S	X	-1	-1	-1	-1	0	0	0
225S	X	-4	-5	-3	-3	-3	-1	0
200S	X	-3	-1	-1	0	0	-1	0
175S	X	0	0	0	0	0	0	0
150S	X	-1	-1	1	0	-1	0	-1
75S	X	0	0	-1	-2	0	0	0
50S	X	-2	1	0	0	0	-1	-1
25S	X	-14	-18	-17	-21	-24	-27	-30
975S	Z	4	3	1	2	0	1	0
950S	Z	4	2	2	1	0	0	0
925S	Z	4	2	1	1	0	0	0
900S	Z	4	2	1	0	1	0	0
875S	Z	4	3	1	1	0	1	0
850S	Z	4	2	1	1	1	1	1
825S	Z	3	2	2	1	1	1	0
800S	Z	4	2	2	0	1	0	0
775S	Z	4	2	1	1	0	1	0
750S	Z	3	4	2	1	1	0	1
725S	Z	4	3	2	2	1	1	1
700S	Z	4	2	1	2	2	0	1
675S	Z	4	4	2	2	1	1	1
650S	Z	5	2	1	-1	-1	0	1
625S	Z	5	3	2	2	1	1	0
600S	Z	4	3	1	1	0	1	1
575S	Z	4	3	1	0	1	-1	0
550S	Z	4	3	1	0	0	0	0
525S	Z	5	3	1	1	0	0	0
500S	Z	6	4	1	1	1	0	0
475S	Z	6	2	3	1	1	0	0
450S	Z	5	1	2	1	0	1	0
425S	Z	4	3	1	0	0	0	0
400S	Z	-3	-1	0	-1	1	0	0
375S	Z	2	2	-1	-1	1	0	-1
350S	Z	1	1	0	0	0	0	1
325S	Z	1	1	0	0	-1	0	0
300S	Z	2	2	1	0	-1	0	1
275S	Z	2	2	0	0	0	-1	0
250S	Z	3	2	0	1	0	-1	-1
225S	Z	3	1	1	1	0	0	0
200S	Z	3	0	0	0	0	1	0
175S	Z	2	2	1	0	0	0	0
150S	Z	3	2	1	1	0	0	0
75S	Z	3	2	2	2	0	0	1
50S	Z	3	2	1	1	1	0	0
25S	Z	5	3	2	0	0	0	0

1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 15, 1993

Line : L7500W
Tx Loop : SE
File name : 7500S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
975S	X	7 A7	1512.0	90	512	PP	424	-137	315	141	84	54	40	22	16	12	7	8	2	3	1
950S	X	7 A7	1512.0	90	512	PP	426	-334	249	131	88	61	36	23	15	9	7	5	6	2	1
925S	X	7 A7	1512.0	90	512	PP	428	-127	356	190	102	65	45	30	17	13	5	7	3	2	2
900S	X	7 A7	1512.0	90	512	PP	430	-155	298	167	96	58	41	26	20	10	6	5	3	1	1
875S	X	7 A7	1512.0	90	512	PP	432	-140	361	205	107	65	44	24	18	10	5	6	3	2	0
850S	X	7 A7	1512.0	90	512	PP	434	-161	347	198	103	63	40	25	14	12	7	6	4	3	1
825S	X	7 A7	1512.0	90	512	PP	436	-116	166	109	69	42	31	19	13	11	4	4	1	1	0
800S	X	7 A7	1512.0	90	512	PP	438	-166	155	95	46	48	25	20	12	6	6	4	3	0	-1
775S	X	7 A7	1512.0	90	512	PP	440	-121	147	84	49	44	21	17	9	12	3	2	2	1	-1
750S	X	7 A7	1512.0	90	512	PP	442	-154	133	86	49	44	29	16	12	8	4	4	1	2	0
725S	X	7 A7	1512.0	90	512	PP	444	-155	135	84	48	34	25	16	8	7	5	4	2	3	0
700S	X	7 A7	1512.0	90	512	PP	446	-187	115	70	39	34	14	14	11	5	4	3	1	1	2
675S	X	7 A7	1512.0	90	512	PP	448	-221	79	60	46	26	17	9	8	3	6	2	3	1	0
650S	X	7 A7	1512.0	90	512	PP	450	-208	87	61	43	28	17	9	7	6	5	3	3	0	0
625S	X	7 A7	1512.0	90	512	PP	452	-256	52	42	30	16	13	8	5	5	4	3	1	1	0
600S	X	7 A7	1512.0	90	512	PP	454	-200	53	49	29	22	13	10	9	5	3	2	0	1	0
575S	X	7 A7	1512.0	90	512	PP	597	-277	52	33	20	23	12	4	4	3	4	1	1	1	0
550S	X	7 A7	1512.0	90	512	PP	595	-274	34	29	5	9	8	5	7	2	4	2	3	1	-2
525S	X	7 A7	1512.0	90	512	PP	593	-365	-5	-12	-3	-8	2	-1	1	-2	1	1	-1	0	-1
500S	X	7 A7	1512.0	90	512	PP	591	-368	-22	-4	-4	-1	-3	0	-5	1	-3	1	2	0	1
475S	X	7 A7	1512.0	90	512	PP	589	-414	-11	-9	-7	-1	-7	-4	-2	3	-1	0	0	-2	0
450S	X	7 A7	1512.0	90	512	PP	587	-433	-38	-16	-11	-2	-1	6	0	7	1	3	2	1	2
425S	X	4 A7	1512.0	90	512	PP	585	-506	204	57	90	152	64	123	86	70	51	50	30	27	11
400S	X	5 A7	1512.0	90	512	PP	583	-529	-11	74	34	23	46	33	34	27	24	17	13	10	5
375S	X	5 A7	1512.0	90	512	PP	581	-560	-24	5	9	17	17	19	20	19	12	7	10	5	3
350S	X	6 A7	1512.0	90	512	PP	579	-566	-66	-14	0	-7	18	5	11	11	3	10	4	2	4
325S	X	7 A7	1512.0	90	512	PP	577	-594	-88	-53	-36	-21	-5	-3	-3	1	3	2	3	3	2
300S	X	7 A7	1512.0	90	512	PP	575	-649	-85	-44	-33	-22	-7	-3	-1	3	5	4	2	2	0
275S	X	7 A7	1512.0	90	512	PP	573	-706	-99	-63	-41	-29	-13	-5	0	1	3	1	2	2	2
250S	X	7 A7	1512.0	90	512	PP	571	-856	-174	-102	-50	-42	-15	-13	-9	-1	2	3	0	-1	0
225S	X	7 A7	1512.0	90	512	PP	568	-890	-182	-101	-68	-39	-28	-20	-9	3	-5	1	-2	-3	-1
200S	X	7 A7	1512.0	90	512	PP	566	-943	-183	-117	-76	-55	-24	-19	-10	-1	-1	-1	0	-1	-1
175S	X	7 A7	1512.0	90	512	PP	564	-989	-159	-105	-67	-43	-30	-20	-7	-1	-4	0	0	1	-1
150S	X	7 A7	1512.0	90	512	PP	562	-1154	-268	-151	-100	-68	-43	-23	-4	-5	-1	-1	0	0	0
75S	X	6 A7	1512.0	90	512	PP	560	-1977	-216	-147	-114	-72	-40	-31	-19	-6	-5	1	0	-1	1
50S	X	6 A7	1512.0	90	512	PP	558	-2530	-279	-199	-138	-92	-55	-28	-15	-7	-5	-3	0	0	-1
25S	X	5 A7	1512.0	90	512	PP	556	-6688	-241	-170	-142	-87	-59	-39	-23	-13	-15	-10	-10	-11	-11
975S	Z	7 A7	1512.0	90	512	PP	423	24350	413	104	173	178	122	94	60	40	30	19	14	11	7
950S	Z	7 A7	1512.0	90	512	PP	425	13600	278	214	197	161	112	85	52	43	28	18	14	7	5
925S	Z	7 A7	1512.0	90	512	PP	427	10560	626	281	216	169	126	84	61	40	29	19	14	8	5
900S	Z	7 A7	1512.0	90	512	PP	429	8056	532	295	227	173	124	86	60	41	28	20	13	9	7
875S	Z	5 A7	1512.0	90	512	PP	431	6845	692	338	248	186	129	87	62	43	29	22	14	8	6
850S	Z	5 A7	1512.0	90	512	PP	433	6062	700	360	259	186	129	88	66	43	31	19	15	9	6
825S	Z	5 A7	1512.0	90	512	PP	435	5487	352	254	209	153	105	78	54	40	27	20	14	8	6
800S	Z	5 A7	1512.0	90	512	PP	437	5099	370	274	215	154	111	81	54	41	29	19	13	9	6
775S	Z	5 A7	1512.0	90	512	PP	439	4808	395	285	220	158	111	83	58	43	29	21	15	9	6
750S	Z	5 A7	1512.0	90	512	PP	441	4591	390	280	217	163	115	88	60	40	30	22	15	11	5
725S	Z	5 A7	1512.0	90	512	PP	443	4387	410	299	233	166	120	88	61	40	33	22	16	9	7
700S	Z	5 A7	1512.0	90	512	PP	445	4254	433	309	236	161	124	94	63	45	33	22	16	11	6
675S	Z	5 A7	1512.0	90	512	PP	447	4129	394	286	228	163	123	83	59	46	29	21	15	11	6
650S	Z	5 A7	1512.0	90	512	PP	449	4030	422	309	232	164	123	89	64	44	32	20	15	10	7
625S	Z	5 A7	1512.0	90	512	PP	451	3955	366	277	216	156	115	85	64	45	32	24	15	10	8
600S	Z	5 A7	1512.0	90	512	PP	453	3885	329	257	211	155	114	87	61	48	33	22	18	10	6
575S	Z	5 A7	1512.0	90	512	PP	596	3831	526	356	273	195	140	101	70	50	37	22	17	13	6
550S	Z	5 A7	1512.0	90	512	PP	594	3803	467	328	242	190	129	90	74	49	41	25	16	11	7
525S	Z	5 A7	1512.0	90	512	PP	592	3801	537	383	284	195	146	106	73	52	42	28	20	13	7
500S	Z	5 A7	1512.0	90	512	PP	590	3782	387	293	223	169	144	85	75	53	40	27	21	16	7
475S	Z	5 A7	1512.0	90	512	PP	588	3792	483	389	279	205	170	114	91	69	49	33	25	17	10
450S	Z	5 A7	1512.0	90	512	PP	586	3834	614	441	349	270	171	153	109	84	59	42	29	17	14
425S	Z	5 A7	1512.0	90	512	PP	584	3873	533	376	288	201	141	108	74	57	38	27	18	13	7
400S	Z	4 A7	1512.0	90	512	PP	582	3924	343	208	134	97	33	13	4	-18	-11	-16	-8	-6	-4
375S	Z	5 A7	1512.0	90	512	PP	580	3958	399	290	171	114	81	27	20	9	-2	-6	-2	-2	-6
350S	Z	5 A7	1512.0	90	512	PP	578	4030	517	329	230	158	90	62	32	17	11	4	0	2	0
325S	Z	5 A7	1512.0	90	512	PP	576	4137	515	354	245	155	115	68	41	26	14	8	5	5	3
300S	Z	5 A7	1512.0	90	512	PP	574	4213	421	321	213	155	110	66	45	30	18	11	6	4	4
275S	Z	5 A7	1512.0	90	512	PP	572	4368	405	294	213	162	111	71	44	31	20	13	6	4	4
250S	Z	5 A7	1512.0	90	512	PP	570	4553	496	341	253	181	114	80	53	36	24	14	9	7	2
225S	Z	5 A7	1512.0	90	512	PP	567	4844	449	335	251	174	122	82	55	37	24	14	9	6	3
200S	Z	5 A7	1512.0	90	512	PP	565	5028	363	288	212	149	104	71	51	35	25	15	12	5	4
175S	Z	5 A7	1512.0	90	512	PP	563	5466	366	284	225	161	114	80	52	37	26	16	11	7	3
150S	Z	5 A7	1512.0	90	512	PP	561	6120	518	363	274	198	133	89	67	38	28	18	12	9	4
75S	Z	7 A7	1512.0	90	512	PP	559	9718	357	294	235	172	117	89	58	43	27	18	12	9	6
50S	Z	7 A7	1512.0	90	512	PP	557	14080	323	280	248	183	126	92	63	42	30	21	14	9	6
25S	Z	7 A7	1512.0	90	512	PP	555	32080	201	243	244	181	137	101	63	47	30	24	14	10	7

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 13, 1993

Line : L7500W
Tx Loop : NE
File name : 7500N.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
25N X	-1	-1	2	-1	0	0	-1
50N X	3	0	1	-2	1	-2	0
75N X	0	-1	1	0	1	-1	1
100N X	-1	-1	0	2	1	0	1
125N X	1	0	0	0	2	-1	0
150N X	1	1	0	2	-2	0	0
175N X	0	0	1	-1	-1	-1	1
200N X	-2	1	-3	2	-1	-1	0
225N X	-1	2	0	-1	0	0	1
250N X	3	1	-1	-1	1	0	-2
275N X	-4	-1	-2	0	-1	0	1
300N X	-1	-1	0	-3	-3	0	-1
325N X	2	0	0	-1	-1	-1	-1
350N X	3	1	-2	1	1	-1	0
375N X	-1	-1	1	0	0	0	0
400N X	-4	-1	0	0	-1	-1	-1
425N X	3	1	0	0	1	0	1
450N X	2	-1	1	2	0	-2	-1
475N X	1	1	0	0	-2	0	0
500N X	0	-2	0	1	0	0	2
525N X	-1	-1	1	-1	-1	0	-1
550N X	-3	-2	-1	-2	0	0	0
575N X	1	0	-1	-1	0	0	0
600N X	0	1	-2	-2	-2	0	0
625N X	-3	-2	-2	1	-1	1	-1
650N X	0	0	1	0	-1	0	1
675N X	1	0	0	0	1	-1	0
700N X	0	0	1	-2	1	0	0
725N X	-3	0	1	-1	0	0	0
750N X	-3	-1	0	-3	1	-1	0
775N X	-2	-1	0	-2	0	0	0
800N X	-1	0	-1	-1	-1	0	-1
825N X	-2	-1	-1	0	0	0	-1
850N X	-1	-2	-1	0	0	-2	0
875N X	0	-1	1	1	-1	1	0
900N X	-2	-2	-1	1	0	1	-1
925N X	-2	0	0	0	1	0	0
950N X	-2	0	-2	0	-1	-1	-1
975N X	-2	-1	-1	0	1	0	-1
25N Z	4	2	1	0	0	0	0
50N Z	6	3	1	1	1	0	0
75N Z	5	3	2	1	1	0	0
100N Z	6	4	1	1	0	0	0
125N Z	5	3	0	0	0	0	0
150N Z	6	3	0	1	0	0	0
175N Z	6	3	2	1	0	0	-1
200N Z	6	4	1	1	1	1	0
225N Z	6	3	1	-1	0	0	0
250N Z	6	3	1	1	0	1	0
275N Z	6	3	0	0	-1	-1	0
300N Z	7	1	2	0	0	0	-1
325N Z	5	3	1	0	0	0	0
350N Z	6	4	1	0	0	0	0
375N Z	5	3	1	1	1	0	-1
400N Z	7	2	1	1	0	0	0
425N Z	6	2	1	1	0	0	-1
450N Z	6	3	2	1	0	1	-1
475N Z	5	3	1	1	1	0	0
500N Z	7	3	0	0	1	0	0
525N Z	5	2	1	0	0	0	-1
550N Z	6	3	2	0	0	0	0
575N Z	6	3	1	0	0	0	0
600N Z	5	2	1	1	0	-1	0
625N Z	5	3	1	1	0	0	0
650N Z	7	4	1	0	1	0	0
675N Z	6	3	2	1	1	0	0
700N Z	5	3	1	0	-1	0	-1
725N Z	6	2	1	0	0	0	0
750N Z	6	3	0	0	0	0	0
775N Z	5	2	1	0	0	0	0
800N Z	6	3	1	0	-1	0	-1
825N Z	6	2	1	0	0	0	-1
850N Z	7	3	2	1	0	-1	-1
875N Z	6	3	1	1	1	0	0
900N Z	6	3	1	0	0	0	0
925N Z	6	2	1	1	0	0	0
950N Z	4	3	1	0	0	0	0
975N Z	6	3	2	1	0	0	0

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 13, 1993

Line : L7500W
Tx Loop : NE
File name : 7500N.PEM

Data Scaled by Factor of 1.00

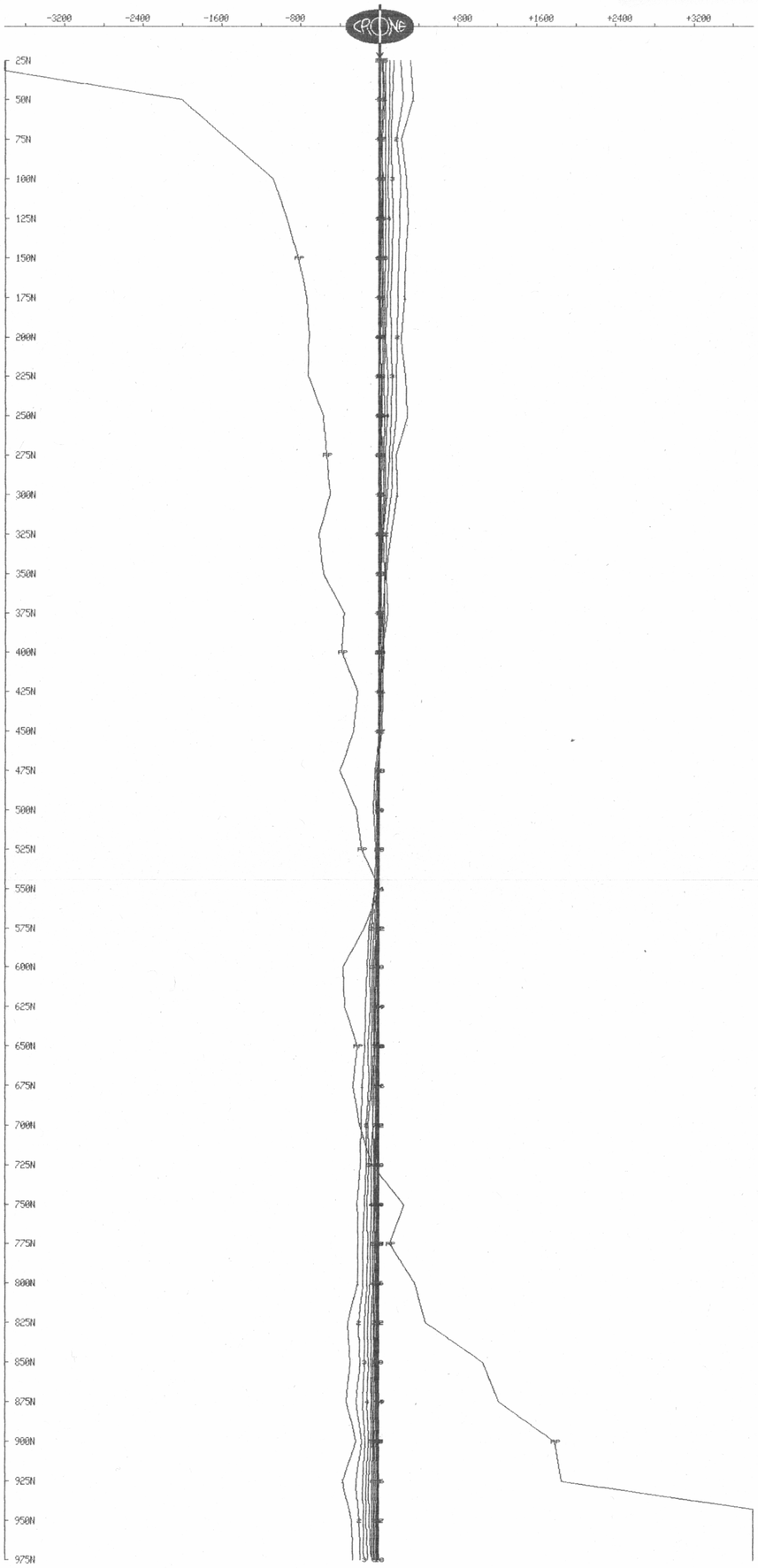
Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
25N	X	5 A7	1512.0	90	512	PP	398	-4443	319	214	147	106	64	36	30	15	10	10	2	2	3
50N	X	6 A7	1512.0	90	512	PP	396	-2008	348	244	133	108	64	59	38	12	10	8	9	2	0
75N	X	6 A7	1512.0	90	512	PP	394	-1545	229	176	127	102	62	31	20	16	13	5	1	2	-3
100N	X	6 A7	1512.0	90	512	PP	392	-1073	273	218	129	89	64	33	35	15	14	3	5	3	2
125N	X	6 A7	1512.0	90	512	PP	390	-939	291	206	137	101	65	42	27	22	9	5	3	4	-2
150N	X	6 A7	1512.0	90	512	PP	388	-820	270	202	135	100	60	35	22	13	12	4	2	2	2
175N	X	6 A7	1512.0	90	512	PP	386	-737	261	188	111	79	52	42	28	12	7	7	3	2	-1
200N	X	6 A7	1512.0	90	512	PP	384	-715	223	187	123	61	57	37	14	14	9	6	1	0	1
225N	X	6 A7	1512.0	90	512	PP	382	-718	265	173	128	90	47	34	19	8	8	7	-1	0	2
250N	X	6 A7	1512.0	90	512	PP	380	-567	289	175	123	84	57	24	27	11	2	4	-5	1	0
275N	X	6 A7	1512.0	90	512	PP	378	-528	177	131	104	61	46	30	11	9	7	-1	-6	0	-1
300N	X	6 A7	1512.0	90	512	PP	376	-497	184	127	82	65	49	20	17	4	5	10	1	1	-3
325N	X	6 A7	1512.0	90	512	PP	374	-605	123	74	38	43	27	18	9	-4	2	-1	-3	2	-4
350N	X	6 A7	1512.0	90	512	PP	372	-567	75	65	58	22	11	4	0	5	-1	-4	1	-1	-4
375N	X	6 A7	1512.0	90	512	PP	370	-357	86	37	57	24	20	17	7	14	2	6	-1	4	5
400N	X	6 A7	1512.0	90	512	PP	368	-378	30	47	34	43	4	23	5	5	-4	5	4	2	0
425N	X	6 A7	1512.0	90	512	PP	366	-214	21	40	18	11	16	10	10	-3	3	-2	0	-3	4
450N	X	6 A7	1512.0	90	512	PP	364	-256	8	29	9	-1	11	1	8	-1	-3	0	3	-1	0
475N	X	6 A7	1512.0	90	512	PP	362	-396	-37	-22	-2	-11	-7	-7	-7	-2	-12	-6	0	-3	0
500N	X	6 A7	1512.0	90	512	PP	360	-229	-52	-29	-25	-14	-7	3	-14	-7	-6	-2	-5	-1	-1
525N	X	6 A7	1512.0	90	512	PP	358	-170	-28	-3	-18	-1	-5	0	1	-5	-13	-1	0	-6	0
550N	X	6 A7	1512.0	90	512	PP	355	16	-35	-36	-21	-4	-9	-2	-18	-4	1	-13	0	-2	0
575N	X	6 A7	1512.0	90	512	PP	353	-146	-96	-73	-48	-25	-30	-13	-4	-13	-6	-3	-4	0	-2
600N	X	6 A7	1512.0	90	512	PP	351	-362	-119	-93	-63	-46	-30	-27	-21	-13	-9	-5	-8	-4	-3
625N	X	6 A7	1512.0	90	512	PP	349	-342	-134	-80	-64	-49	-38	-30	-13	-10	-16	-10	-3	-4	-1
650N	X	6 A7	1512.0	90	512	PP	347	-216	-140	-106	-75	-47	-41	-22	-13	-16	-11	-13	-2	-3	0
675N	X	6 A7	1512.0	90	512	PP	345	-256	-169	-102	-71	-61	-51	-28	-21	-14	-8	-5	-8	-1	1
700N	X	6 A7	1512.0	90	512	PP	343	-193	-171	-125	-102	-55	-55	-30	-29	-19	-10	-12	-6	-4	-3
725N	X	6 A7	1512.0	90	512	PP	341	-63	-183	-125	-100	-75	-44	-40	-30	-17	-17	-12	-6	-5	-3
750N	X	6 A7	1512.0	90	512	PP	339	262	-214	-142	-117	-72	-50	-37	-32	-22	-17	-12	-6	-6	-1
775N	X	6 A7	1512.0	90	512	PP	337	112	-206	-153	-109	-84	-53	-34	-39	-25	-20	-10	-10	-8	-2
800N	X	6 A7	1512.0	90	512	PP	335	368	-206	-158	-114	-85	-57	-49	-34	-27	-17	-13	-10	-5	-4
825N	X	7 A7	1512.0	90	512	PP	333	481	-310	-201	-138	-106	-72	-49	-38	-23	-19	-15	-10	-6	-4
850N	X	6 A7	1512.0	90	512	PP	331	1071	-283	-185	-138	-101	-74	-52	-41	-31	-20	-13	-9	-4	-3
875N	X	6 A7	1512.0	90	512	PP	329	1230	-324	-224	-158	-115	-76	-60	-44	-28	-21	-17	-10	-5	-1
900N	X	6 A7	1512.0	90	512	PP	327	1800	-223	-168	-136	-94	-76	-58	-45	-35	-23	-16	-13	-5	-2
925N	X	6 A7	1512.0	90	512	PP	325	1868	-363	-228	-161	-123	-96	-67	-47	-31	-27	-14	-11	-8	-5
950N	X	5 A7	1512.0	90	512	PP	323	4659	-270	-191	-151	-119	-92	-60	-44	-35	-25	-20	-12	-5	-5
975N	X	5 A7	1512.0	90	512	PP	321	7055	-258	-186	-145	-108	-67	-68	-50	-36	-20	-16	-15	-3	1
25N	Z	7 A7	1512.0	90	512	PP	397	32500	153	288	332	250	196	164	117	86	59	40	26	15	9
50N	Z	7 A7	1512.0	90	512	PP	395	14490	334	354	326	255	203	161	117	91	64	45	31	18	10
75N	Z	7 A7	1512.0	90	512	PP	393	10520	392	336	300	236	192	147	111	83	62	41	27	16	10
100N	Z	7 A7	1512.0	90	512	PP	391	8035	439	372	323	249	203	155	118	86	64	43	29	17	11
125N	Z	5 A7	1512.0	90	512	PP	389	6948	473	386	334	267	203	155	122	88	66	44	29	19	10
150N	Z	5 A7	1512.0	90	512	PP	387	6086	501	404	342	265	204	159	120	85	65	42	29	17	10
175N	Z	5 A7	1512.0	90	512	PP	385	5662	546	432	354	276	215	160	125	90	63	42	31	18	10
200N	Z	5 A7	1512.0	90	512	PP	383	5090	535	429	349	279	211	166	118	90	66	46	29	17	10
225N	Z	5 A7	1512.0	90	512	PP	381	4856	668	516	406	307	233	176	136	92	69	45	29	18	11
250N	Z	5 A7	1512.0	90	512	PP	379	4563	736	545	432	326	243	176	133	94	70	44	30	18	10
275N	Z	5 A7	1512.0	90	512	PP	377	4324	668	521	410	315	225	175	133	88	66	45	28	17	10
300N	Z	5 A7	1512.0	90	512	PP	375	4214	691	523	414	311	237	176	131	94	65	43	31	17	8
325N	Z	5 A7	1512.0	90	512	PP	373	4110	731	551	421	315	246	178	136	95	68	46	27	19	10
350N	Z	5 A7	1512.0	90	512	PP	371	4014	604	474	381	295	230	170	126	87	66	42	31	19	11
375N	Z	5 A7	1512.0	90	512	PP	369	3931	612	482	378	293	228	173	127	92	65	45	28	19	11
400N	Z	5 A7	1512.0	90	512	PP	367	3884	728	555	433	329	243	180	137	97	66	44	30	18	9
425N	Z	5 A7	1512.0	90	512	PP	365	3832	635	502	403	310	225	180	133	96	68	45	31	19	10
450N	Z	5 A7	1512.0	90	512	PP	363	3777	581	460	381	286	223	170	126	91	64	44	29	17	8
475N	Z	6 A7	1512.0	90	512	PP	361	3761	606	478	380	304	226	173	131	95	67	43	31	18	10
500N	Z	6 A7	1512.0	90	512	PP	359	3759	625	484	394	301	233	175	128	96	67	46	29	18	10
525N	Z	5 A7	1512.0	90	512	PP	357	3753	570	450	359	287	224	166	126	92	63	42	32	16	12
550N	Z	5 A7	1512.0	90	512	PP	354	3797	663	513	407	305	240	183	135	97	69	46	30	20	11
575N	Z	5 A7	1512.0	90	512	PP	352	3824	620	492	392	304	233	178	132	94	68	45	30	21	11
600N	Z	5 A7	1512.0	90	512	PP	350	3892	582	470	382	296	223	173	131	96	68	45	30	18	10
625N	Z	5 A7	1512.0	90	512	PP	348	3912	549	454	370	286	222	172	127	90	69	42	30	19	11
650N	Z	5 A7	1512.0	90	512	PP	346	4029	579	459	378	292	226	177	132	94	71	44	30	18	12
675N	Z	5 A7	1512.0	90	512	PP	344	4131	563	452	372	293	221	174	132	95	66	46	30	18	10
700N	Z	5 A7	1512.0	90	512	PP	342	4248	540	440	364	280	220	174	129	94	68	44	29	19	10
725N	Z	5 A7	1512.0	90	512	PP	340	4430	549	440	364	289	226	173	129	97	70	46	30	20	12
750N	Z	5 A7	1512.0	90	512	PP	338	4678	587	465	382	302	228	176	133	97	69	48	31	19	11
775N	Z	5 A7	1512.0	90	512	PP	336	4928	519	420	351	278	214	169	129	95	66	46	29	19	9
800N	Z	5 A7	1512.0	90	512	PP	334	5282	502	421	350	280	215	169	128	93	69	45	30	19	10
825N	Z	5 A7	1512.0	90	512	PP	332	5884	575	472	387	298	231	179	130	97	71	45	30	19	10
850N	Z	5 A7	1512.0	90	512	PP	330	6516	562	466	379	295	231	183	133	95	70	47	32	20	11
875N	Z	7 A7	1512.0	90	512	PP	328	7689	565	462	388	302	232	181	133	100	69	48	31	21	11
900N	Z	7 A7	1512.0	90	512	PP	326	9359	473	402	344	274	213	163	127	91	69	45	29	18	10
925N	Z	7 A7	1512.0	90	512	PP	324	11820	481	429	373	284	223	175	131	95	69	46	29	19	12
950N	Z	7 A7	1512.0	90	512	PP	322	22680	396	371	334	265	206	167	123	89	66	42	29	18	10
975N	Z	7 A7	1512.0	90	512	PP	320	26270	388	361	336	264	209	165	125	89	64	47	27	18	10

1

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L7500W
Grid	: HORN	Tx Loop	: NE
Date	: Jul 13, 1993	File name	: 7500N.PEM

Data Scaled by Factor of 1.00
IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP
Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

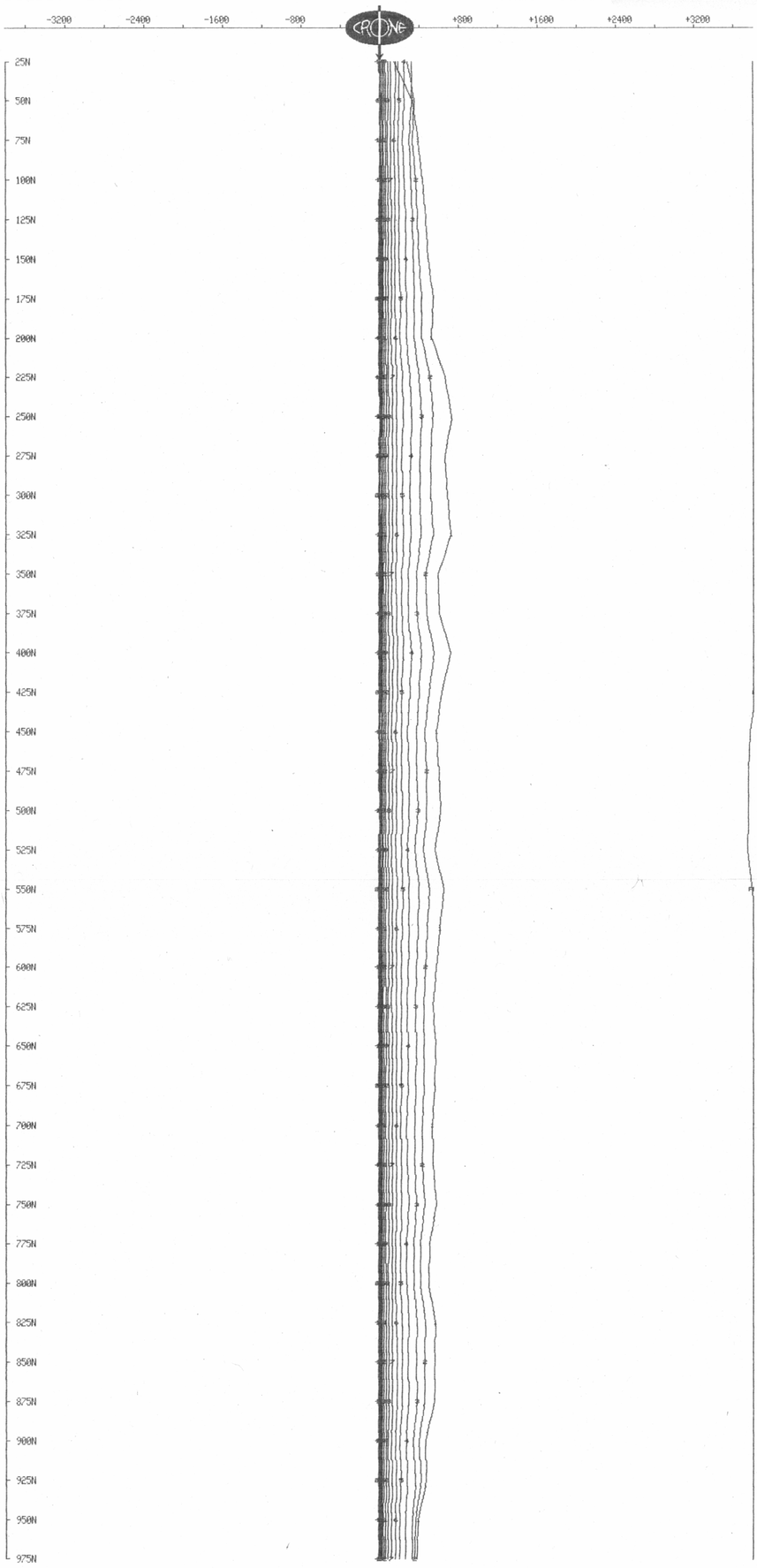
CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L7500W
Grid	: HORN	Tx Loop	: NE
Date	: Jul 13, 1993	File name	: 7500N.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

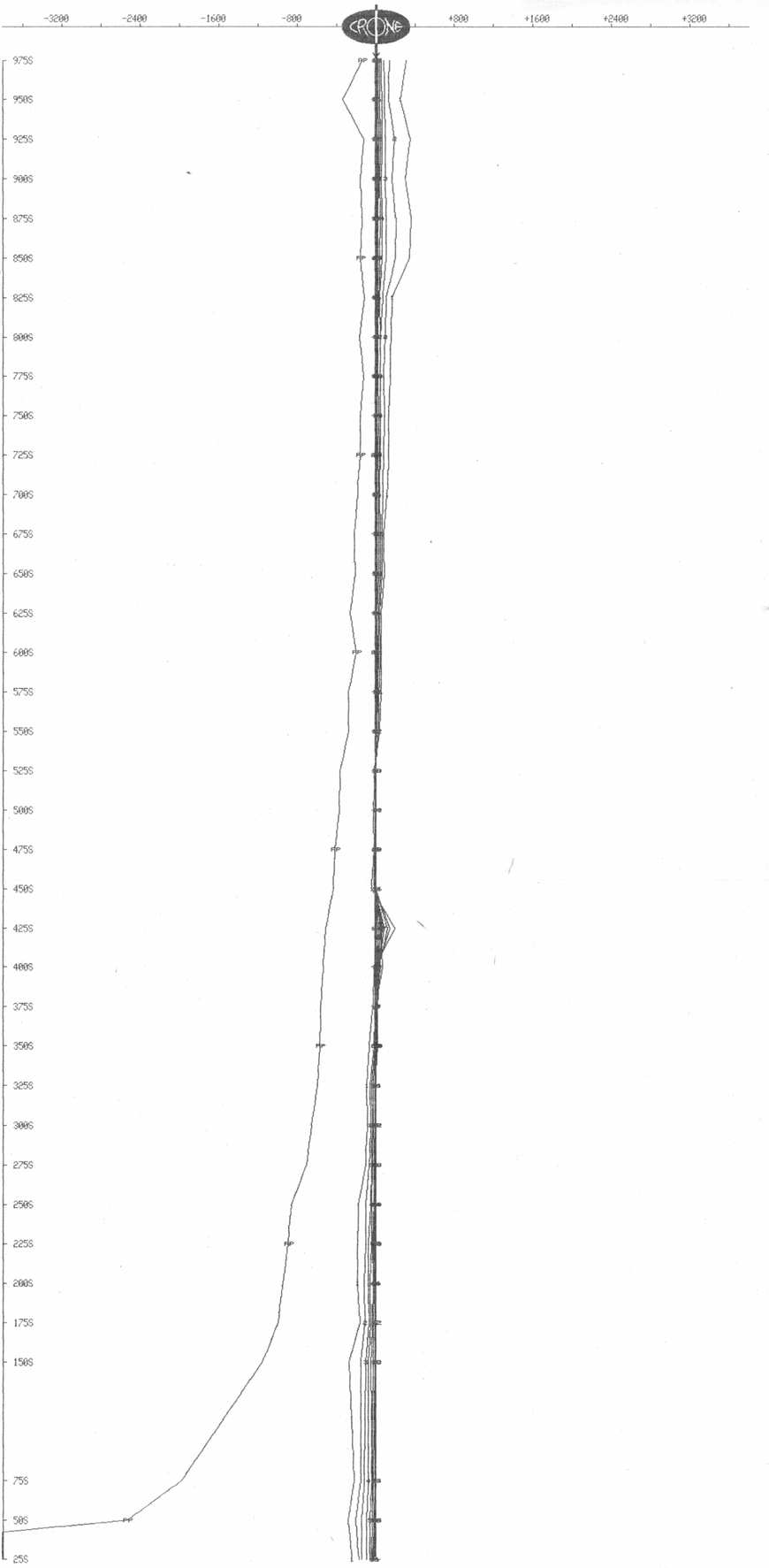
CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7500W
Grid	: HORN	Tx Loop	: SE
Date	: Jul 15, 1993	File name	: 7500S.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

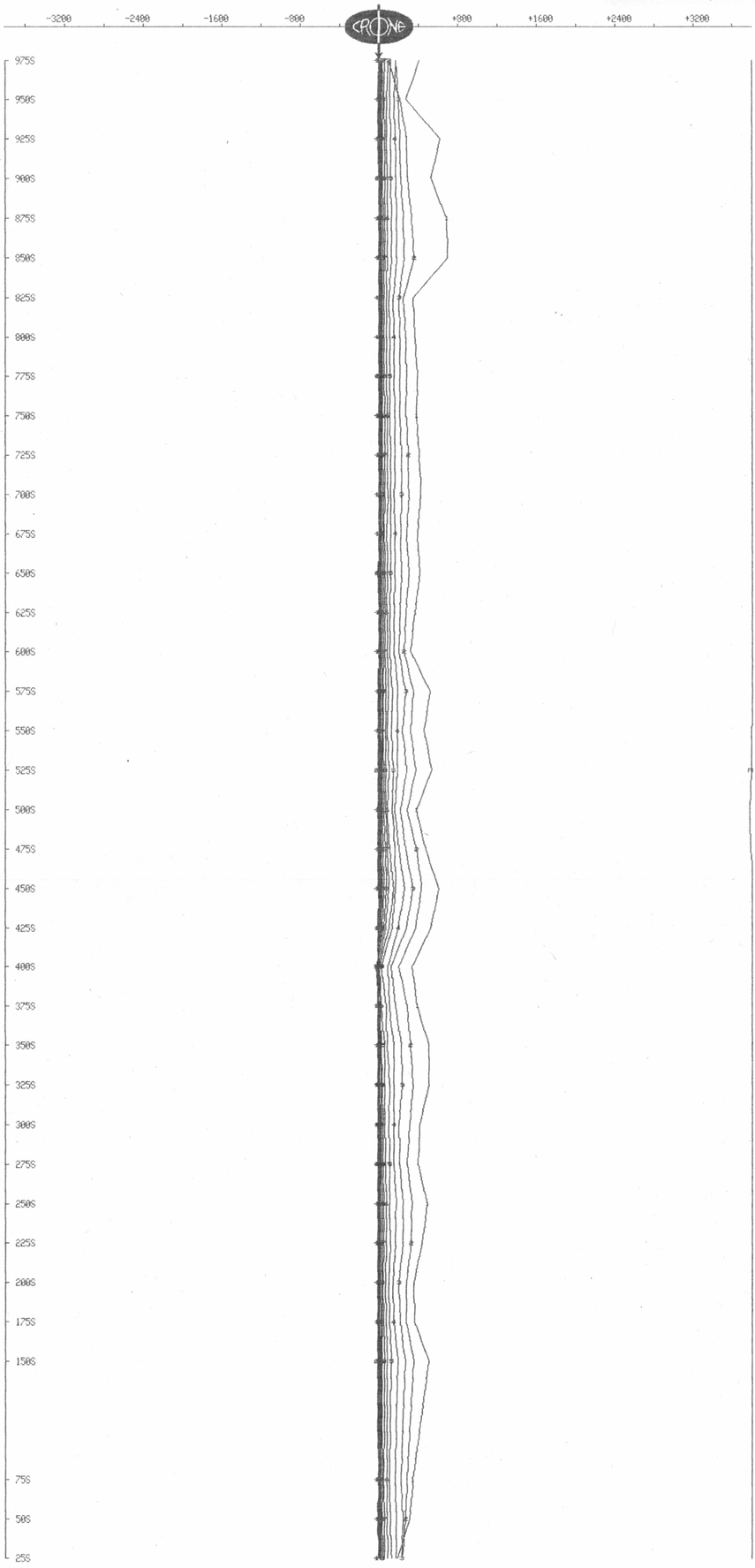
CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L7500W
Grid	: HORN	Tx Loop	: SE
Date	: Jul 15, 1993	File name	: 7500S.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s

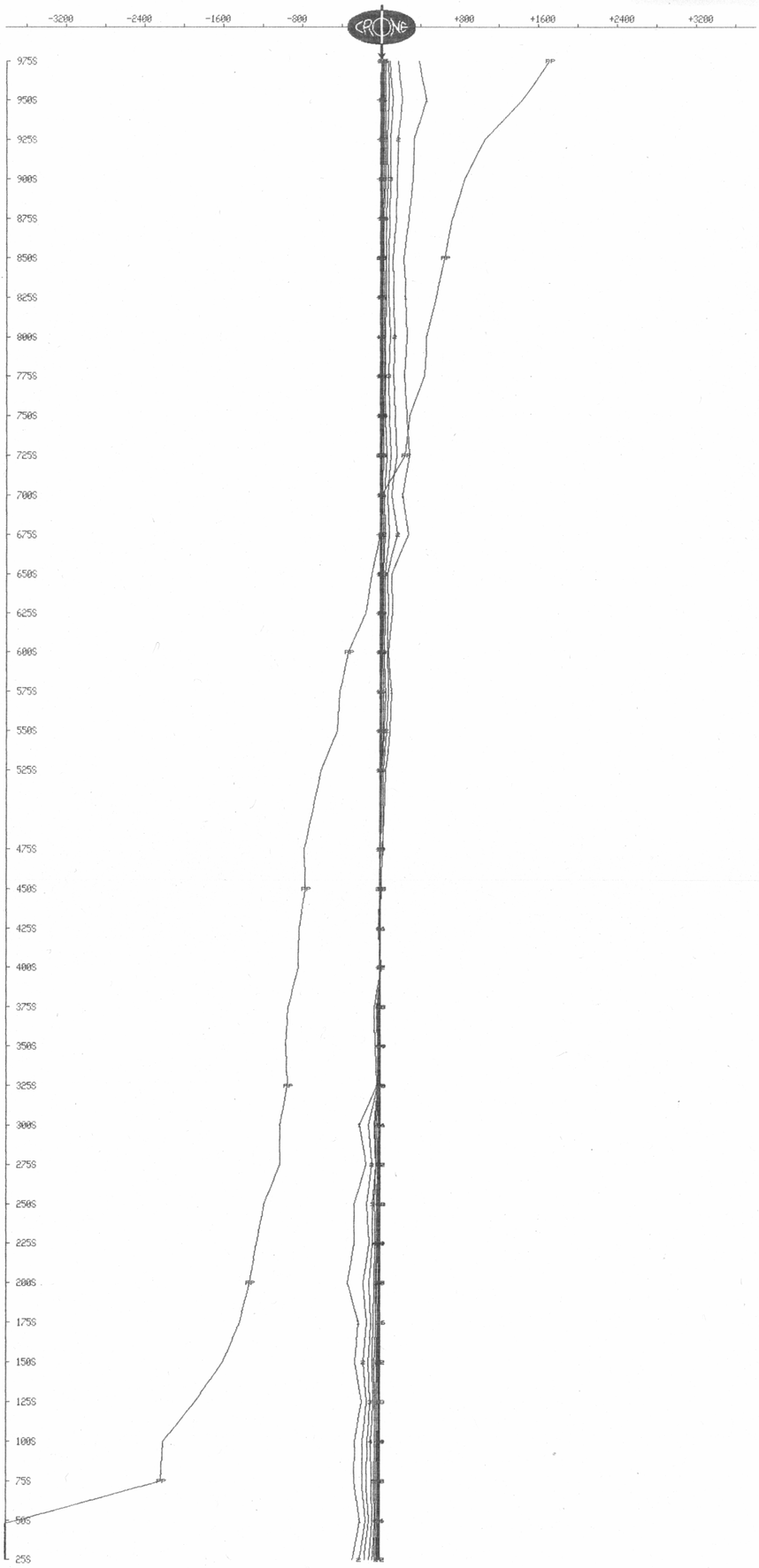


1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7750W
Grid	: HORN	Tx Loop	: SE
Date	: Jul 15, 1993	File name	: 7750S.PEM

Data Scaled by Factor of 1.00
IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP
Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 15, 1993

Line : L7750W
Tx Loop : SE
File name : 7750S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	14	15	16	17	18	19	20
975S	X	1	1	1	0	0	1	0
950S	X	0	1	1	0	0	0	0
925S	X	1	0	0	0	0	1	0
900S	X	1	0	0	0	1	0	0
875S	X	1	1	0	1	1	0	0
850S	X	2	0	0	0	0	0	0
825S	X	1	0	-1	-1	0	-1	0
800S	X	0	-1	0	-1	0	0	0
775S	X	1	0	0	0	0	0	0
750S	X	0	2	0	0	0	-1	0
725S	X	0	-1	0	-1	0	0	0
700S	X	0	0	0	0	0	0	1
675S	X	1	-2	0	0	1	0	0
650S	X	-1	1	-1	-2	-1	0	-1
625S	X	0	1	0	2	0	0	0
600S	X	0	-1	-1	-1	-2	0	1
575S	X	2	0	0	1	0	0	-1
550S	X	0	-1	0	1	-1	-1	1
525S	X	-1	0	-1	-1	0	0	-1
475S	X	0	-1	0	0	1	0	0
450S	X	0	0	0	0	0	0	0
425S	X	-2	-1	-1	0	0	0	0
400S	X	-2	-2	-1	-1	-1	-1	0
375S	X	1	-1	2	0	0	1	0
350S	X	-2	-1	1	0	0	1	0
325S	X	0	-1	0	0	0	0	1
300S	X	-1	-1	-1	1	0	1	0
275S	X	0	0	0	0	0	0	0
250S	X	-1	-1	-1	0	0	0	0
225S	X	-2	-1	-1	-1	-1	-1	-1
200S	X	0	0	-1	0	0	-1	0
175S	X	0	-2	0	0	0	0	0
150S	X	-2	-1	-1	-1	0	0	0
125S	X	-1	-1	-1	-1	0	0	0
100S	X	-1	-2	1	0	0	0	0
75S	X	-2	-1	-1	0	-1	0	-1
50S	X	0	-1	-1	-1	0	0	0
25S	X	-1	0	-1	0	0	0	0
975S	Z	5	2	1	1	0	0	0
950S	Z	5	2	2	1	0	1	0
925S	Z	4	2	0	1	0	0	0
900S	Z	4	3	0	1	0	0	0
875S	Z	3	2	1	1	0	1	0
850S	Z	5	4	2	1	1	0	0
825S	Z	3	1	1	0	0	0	0
800S	Z	3	3	0	1	1	1	0
775S	Z	4	2	1	1	1	1	1
750S	Z	3	2	1	0	-1	0	0
725S	Z	4	2	1	0	-1	0	0
700S	Z	4	2	1	1	0	0	0
675S	Z	4	1	1	0	-1	0	0
650S	Z	4	2	1	1	0	0	-1
625S	Z	3	2	1	1	0	0	0
600S	Z	4	3	2	1	1	0	0
575S	Z	4	3	2	0	0	1	0
550S	Z	4	1	1	0	1	0	0
525S	Z	4	2	1	1	0	1	0
475S	Z	3	2	0	0	0	1	0
450S	Z	3	2	1	1	0	0	0
425S	Z	5	3	2	1	0	0	0
400S	Z	4	1	2	1	1	0	0
375S	Z	5	3	1	1	0	0	-1
350S	Z	4	4	2	1	1	0	0
325S	Z	5	3	2	1	0	0	-1
300S	Z	5	3	1	0	0	0	0
275S	Z	5	2	0	0	0	-1	0
250S	Z	5	2	2	0	0	1	0
225S	Z	5	3	1	0	0	0	0
200S	Z	6	3	1	1	1	1	0
175S	Z	5	2	1	-1	0	-1	-1
150S	Z	5	3	1	1	0	0	0
125S	Z	5	3	0	1	0	-1	0
100S	Z	6	2	3	1	0	0	0
75S	Z	6	3	2	1	0	-1	0
50S	Z	4	3	1	0	-1	-1	-1
25S	Z	6	4	2	1	0	0	0

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 15, 1993

Line : L7750W
Tx Loop : SE
File name : 7750S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
975S	X	7 A7	1512.0	90	512	PP	422	1719	390	173	91	71	47	29	17	13	6	8	4	3	1
950S	X	7 A7	1512.0	90	512	PP	420	1445	460	214	120	82	46	33	21	12	7	5	4	0	1
925S	X	7 A7	1512.0	90	512	PP	418	1056	337	175	101	61	46	26	20	15	9	5	4	1	0
900S	X	7 A7	1512.0	90	512	PP	416	860	330	166	98	73	43	31	14	14	8	6	2	2	1
875S	X	7 A7	1512.0	90	512	PP	414	729	283	157	90	59	33	23	17	11	6	4	2	2	0
850S	X	7 A7	1512.0	90	512	PP	412	655	237	126	81	54	31	21	17	9	8	3	4	1	1
825S	X	7 A7	1512.0	90	512	PP	410	563	254	134	79	53	36	23	17	13	4	4	2	0	1
800S	X	7 A7	1512.0	90	512	PP	408	466	267	140	95	50	40	25	15	8	8	5	2	0	0
775S	X	7 A7	1512.0	90	512	PP	406	450	239	135	80	51	36	20	12	6	3	4	3	2	1
750S	X	6 A7	1512.0	90	512	PP	478	293	267	151	88	50	30	18	13	6	2	3	2	2	1
725S	X	6 A7	1512.0	90	512	PP	476	247	295	164	104	62	30	16	10	8	3	6	1	2	1
700S	X	7 A7	1512.0	90	512	PP	474	13	227	115	71	41	23	14	7	9	4	4	2	1	-1
675S	X	6 A7	1512.0	90	512	PP	472	-3	288	171	90	47	34	16	15	9	6	3	2	1	4
650S	X	7 A7	1512.0	90	512	PP	468	-90	114	71	47	30	23	7	9	3	3	4	4	1	0
625S	X	7 A7	1512.0	90	512	PP	466	-153	122	77	50	33	23	12	9	3	5	4	4	0	1
600S	X	6 A7	1512.0	90	512	PP	464	-331	79	74	38	20	10	4	1	11	1	4	2	2	-1
575S	X	7 A7	1512.0	90	512	PP	462	-413	114	83	52	29	16	7	10	6	1	2	-1	1	-2
550S	X	7 A7	1512.0	90	512	PP	460	-442	102	61	37	34	6	10	8	8	0	2	1	-1	-1
525S	X	7 A7	1512.0	90	512	PP	458	-597	59	31	16	7	13	-2	-5	0	1	0	2	2	0
475S	X	7 A7	1512.0	90	512	PP	456	-766	19	26	4	-8	-3	-3	-3	0	3	0	1	-2	-1
450S	X	7 A7	1512.0	90	512	PP	520	-766	12	3	1	-7	-7	-4	-1	1	-2	1	-1	0	0
425S	X	7 A7	1512.0	90	512	PP	522	-818	-6	-3	2	-6	-1	-10	1	0	0	3	0	-1	-1
400S	X	7 A7	1512.0	90	512	PP	524	-833	14	11	1	1	-5	-4	2	-5	5	-3	-1	-2	-1
375S	X	7 A7	1512.0	90	512	PP	526	-936	-57	-31	-21	-19	-8	-10	-3	-1	-1	2	1	1	0
350S	X	7 A7	1512.0	90	512	PP	528	-953	-50	-18	-22	-18	-14	-8	-4	-3	-2	0	0	2	0
325S	X	7 A7	1512.0	90	512	PP	530	-944	-33	-21	-20	-15	-15	-9	-6	-3	0	-1	1	-2	1
300S	X	7 A7	1512.0	90	512	PP	532	-1018	-207	-116	-59	-44	-28	-16	-11	-5	-3	-2	0	1	-1
275S	X	7 A7	1512.0	90	512	PP	534	-1015	-139	-78	-42	-35	-23	-13	-11	-8	-2	-1	-1	-2	-2
250S	X	7 A7	1512.0	90	512	PP	536	-1175	-264	-133	-73	-52	-29	-20	-11	-13	-1	-2	-1	0	-1
225S	X	7 A7	1512.0	90	512	PP	538	-1258	-260	-106	-73	-48	-30	-18	-12	-8	-4	-2	-3	-1	-1
200S	X	7 A7	1512.0	90	512	PP	540	-1324	-327	-169	-106	-58	-37	-28	-13	-4	-6	-2	0	0	-2
175S	X	7 A7	1512.0	90	512	PP	542	-1426	-220	-134	-90	-63	-37	-23	-13	-12	-5	-2	-1	0	0
150S	X	7 A7	1512.0	90	512	PP	544	-1597	-255	-169	-111	-76	-52	-32	-21	-11	-9	-4	-2	-2	-2
125S	X	6 A7	1512.0	90	512	PP	546	-1873	-183	-135	-96	-67	-46	-27	-15	-15	-4	-6	-3	-3	-2
100S	X	6 A7	1512.0	90	512	PP	548	-2199	-252	-171	-123	-86	-51	-30	-18	-11	-8	-5	-3	-3	-1
75S	X	6 A7	1512.0	90	512	PP	550	-2226	-256	-175	-134	-83	-59	-35	-22	-15	-7	-5	-2	-2	0
50S	X	6 A7	1512.0	90	512	PP	552	-3681	-196	-142	-106	-74	-49	-35	-20	-13	-8	-5	-4	-3	-1
25S	X	5 A7	1512.0	90	512	PP	554	-5416	-273	-205	-153	-107	-69	-44	-27	-19	-12	-7	-7	-3	-2
975S	Z	7 A7	1512.0	90	512	PP	421	19790	466	-42	70	127	99	80	53	37	27	21	14	10	5
950S	Z	7 A7	1512.0	90	512	PP	419	14020	330	26	103	123	99	72	52	36	28	20	11	9	6
925S	Z	7 A7	1512.0	90	512	PP	417	11560	272	70	119	125	94	74	50	39	27	18	14	10	6
900S	Z	7 A7	1512.0	90	512	PP	415	9611	259	115	131	128	95	74	55	38	26	18	13	9	5
875S	Z	7 A7	1512.0	90	512	PP	413	8642	235	134	145	129	93	75	54	37	29	19	12	9	4
850S	Z	7 A7	1512.0	90	512	PP	411	8199	260	150	152	135	100	73	56	39	27	19	13	10	6
825S	Z	7 A7	1512.0	90	512	PP	409	7742	225	168	160	130	91	70	51	36	26	18	13	8	5
800S	Z	5 A7	1512.0	90	512	PP	407	7453	298	187	165	137	101	78	53	36	24	19	13	9	5
775S	Z	5 A7	1512.0	90	512	PP	405	7267	281	204	176	139	99	75	53	42	26	21	13	10	6
750S	Z	5 A7	1512.0	90	512	PP	477	6978	412	236	183	152	109	77	57	37	29	20	14	9	7
725S	Z	5 A7	1512.0	90	512	PP	475	6746	518	260	201	155	109	81	58	40	27	18	13	7	4
700S	Z	5 A7	1512.0	90	512	PP	473	6556	552	281	219	161	110	84	56	41	28	20	15	11	6
675S	Z	5 A7	1512.0	90	512	PP	469	6290	358	242	195	150	103	79	55	39	25	19	14	7	6
650S	Z	5 A7	1512.0	90	512	PP	467	6086	274	220	180	134	98	70	54	40	28	18	14	9	6
625S	Z	5 A7	1512.0	90	512	PP	465	5966	289	218	166	150	97	72	52	40	26	20	14	9	6
600S	Z	5 A7	1512.0	90	512	PP	463	5798	290	234	172	136	102	69	52	40	26	18	15	8	6
575S	Z	5 A7	1512.0	90	512	PP	461	5744	385	262	211	158	107	79	55	40	30	21	12	8	6
550S	Z	5 A7	1512.0	90	512	PP	459	5664	395	275	216	157	112	80	62	40	29	21	13	8	5
525S	Z	5 A7	1512.0	90	512	PP	457	5625	339	275	207	147	104	78	57	42	31	19	15	10	7
475S	Z	5 A7	1512.0	90	512	PP	455	5542	341	262	210	154	107	82	57	39	31	19	14	9	6
450S	Z	5 A7	1512.0	90	512	PP	519	5616	402	306	226	170	117	83	63	44	32	18	16	10	6
425S	Z	5 A7	1512.0	90	512	PP	521	5655	502	340	261	178	129	89	66	47	31	24	15	10	6
400S	Z	5 A7	1512.0	90	512	PP	523	5688	439	323	249	178	121	89	65	44	34	22	15	11	7
375S	Z	5 A7	1512.0	90	512	PP	525	5752	588	384	279	201	139	97	66	50	33	24	16	10	7
350S	Z	5 A7	1512.0	90	512	PP	527	5801	514	356	268	195	130	97	67	46	35	21	17	11	7
325S	Z	5 A7	1512.0	90	512	PP	529	5837	369	301	226	160	118	84	61	47	33	22	17	10	7
300S	Z	5 A7	1512.0	90	512	PP	531	5937	841	476	330	228	154	105	73	51	34	24	16	12	7
275S	Z	5 A7	1512.0	90	512	PP	533	6038	682	428	302	207	145	102	72	47	34	26	17	12	7
250S	Z	5 A7	1512.0	90	512	PP	535	6180	770	455	325	225	147	103	70	47	37	25	17	12	8
225S	Z	5 A7	1512.0	90	512	PP	537	6351	741	450	317	219	151	111	74	52	39	27	16	11	8
200S	Z	7 A7	1512.0	90	512	PP	539	6581	793	454	325	232	157	110	76	57	38	29	20	15	9
175S	Z	5 A7	1512.0	90	512	PP	541	6819	496	360	284	196	143	101	71	53	41	27	20	14	8
150S	Z	4 A7	1512.0	90	512	PP	543	7377	445	347	269	200	138	105	70	54	39	29	17	15	8
125S	Z	6 A7	1512.0	90	512	PP	545	8000	372	316	232	171	146	87	75	53	37	28	19	14	8
100S	Z	6 A7	1512.0	90	512	PP	547	9237	414	330	273	196	146	109	75	57	41	31	19	16	9
75S	Z	6 A7	1512.0	90	512	PP	549	10860	377	315	268	196	142	107	76	58	43	31	22	13	10
50S	Z	3 A7	1512.0	90	512	PP	551	14630	297	250	197	165	124	99	73	57	41	31	19	14	8
25S	Z	6 A7	1512.0	90	512	PP	553	21870	286	313	250	190	156	120	79	66	48	33	21	16	9

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 13, 1993

Line : L7750W
Tx Loop : NE
File name : 7750N.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
25N X	2	1	1	1	0	0	0
50N X	2	1	1	0	0	0	0
75N X	2	0	0	-1	1	1	1
100N X	1	-2	0	-2	-2	-2	0
125N X	-8	-4	0	-1	-1	-1	-1
150N X	-4	0	-1	-2	-1	0	-1
175N X	-1	-2	-1	-1	0	-1	-1
200N X	1	-2	1	-1	-1	0	0
225N X	-1	1	0	-1	0	-1	-1
250N X	-3	0	-1	0	-1	0	-2
275N X	-2	-2	-2	-1	-1	0	-1
300N X	0	2	1	2	0	1	0
325N X	1	-1	-1	0	0	0	0
350N X	-1	-1	-1	-2	-1	0	0
375N X	1	-1	0	0	0	-1	1
400N X	-2	0	-1	0	0	0	0
425N X	-2	0	-1	0	0	0	0
450N X	0	-1	0	1	0	0	0
500N X	-1	-1	-1	0	-1	0	0
525N X	-1	0	-1	0	0	0	-1
575N X	-1	0	0	0	0	-1	0
625N X	-2	0	0	0	0	0	0
650N X	-1	0	0	0	0	0	0
675N X	0	-1	-1	-1	-1	-1	0
700N X	-2	-1	-1	-2	-1	-1	0
725N X	0	-2	-1	-1	0	-1	0
750N X	-1	-2	0	0	0	0	0
775N X	-1	0	0	1	0	0	-1
800N X	-1	-1	-2	1	0	0	-1
900N X	-2	-2	-2	0	1	0	0
925N X	-2	-1	0	1	0	1	1
950N X	-2	-3	-2	2	0	-1	-1
975N X	0	-2	-2	-2	-2	-1	-1
25N Z	4	2	1	1	1	0	0
50N Z	1	1	0	1	0	-1	-1
75N Z	-2	3	0	0	0	-1	0
100N Z	-4	1	-1	1	-1	0	-1
125N Z	9	5	2	1	1	1	0
150N Z	13	5	1	-1	0	1	0
175N Z	12	3	1	2	0	0	0
200N Z	9	4	2	-1	1	0	0
225N Z	9	4	2	1	-1	-1	0
250N Z	8	3	1	0	0	0	0
275N Z	7	2	-1	0	0	0	-1
300N Z	7	4	2	0	0	-1	0
325N Z	7	4	1	0	0	0	0
350N Z	5	3	2	-1	0	0	0
375N Z	5	4	1	1	0	0	0
400N Z	6	3	2	1	0	0	0
425N Z	6	3	1	0	0	0	-1
450N Z	7	2	1	1	1	1	0
500N Z	7	3	1	0	0	0	-1
525N Z	7	3	1	0	0	0	-1
575N Z	7	4	1	0	0	-1	0
625N Z	6	3	2	1	0	0	0
650N Z	7	4	1	0	1	0	0
675N Z	7	3	1	1	0	0	-1
700N Z	6	2	1	0	0	0	0
725N Z	7	3	1	0	0	0	-1
750N Z	7	4	2	0	0	0	0
775N Z	8	3	1	1	0	0	0
800N Z	7	3	2	1	0	1	0
900N Z	7	3	2	1	1	0	0
925N Z	6	3	2	1	1	0	0
950N Z	7	3	2	1	0	-1	0
975N Z	6	3	1	0	1	0	0

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 13, 1993

Line : L7750W
Tx Loop : NE
File name : 7750N.PEM

Data Scaled by Factor of 1.00

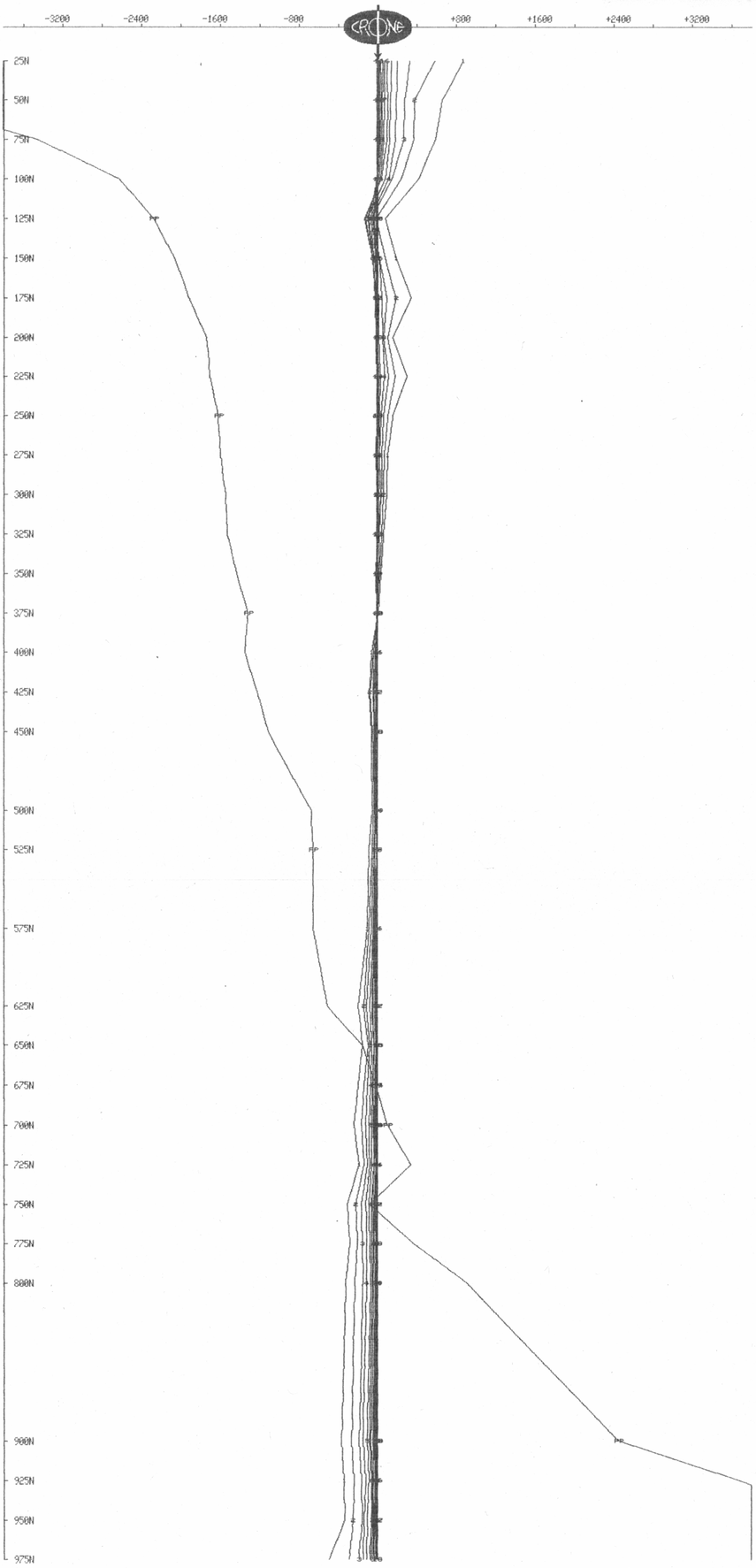
Station	Cmp	Gains	%TS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
25N	X	7 A7	1512.0	90	512	PP	255	-13890	875	582	329	204	144	100	70	54	34	21	15	8	5
50N	X	5 A7	1512.0	90	512	PP	257	-4826	662	382	280	191	133	103	72	50	35	22	11	9	5
75N	X	6 A7	1512.0	90	512	PP	259	-3457	593	373	267	187	124	95	65	45	29	18	13	8	3
100N	X	6 A7	1512.0	90	512	PP	261	-2622	421	245	146	117	77	38	28	11	0	-4	0	0	-3
125N	X	5 A7	1512.0	90	512	PP	263	-2278	82	-11	-60	-75	-99	-130	-123	-99	-89	-63	-42	-28	-11
150N	X	5 A7	1512.0	90	512	PP	265	-2063	188	82	20	17	-33	-49	-48	-48	-45	-38	-21	-13	-8
175N	X	6 A7	1512.0	90	512	PP	267	-1915	344	187	98	45	9	-9	-13	-24	-20	-20	-14	-9	-2
200N	X	6 A7	1512.0	90	512	PP	269	-1737	159	104	61	57	10	4	-6	-7	-16	-10	-6	-7	-4
225N	X	6 A7	1512.0	90	512	PP	271	-1703	305	184	112	70	34	16	3	0	-1	-5	-3	0	-2
250N	X	6 A7	1512.0	90	512	PP	273	-1621	158	104	68	41	22	10	7	-1	-4	-6	-4	-4	-2
275N	X	6 A7	1512.0	90	512	PP	275	-1596	106	75	47	25	21	6	5	-2	-10	-3	-4	-1	-1
300N	X	7 A7	1512.0	90	512	PP	277	-1545	99	63	42	36	13	8	1	-3	-2	-3	-2	-2	1
325N	X	7 A7	1512.0	90	512	PP	279	-1524	60	44	23	11	10	4	0	-5	-5	-4	-2	-1	0
350N	X	7 A7	1512.0	90	512	PP	281	-1430	40	22	13	3	3	4	-9	-6	-5	-6	-2	-4	-2
375N	X	7 A7	1512.0	90	512	PP	283	-1315	9	4	6	-3	-2	-3	-3	-4	-1	-1	-2	-3	0
400N	X	7 A7	1512.0	90	512	PP	285	-1350	-57	-40	-38	-17	-20	-16	-12	-9	-6	-6	0	-3	-5
425N	X	7 A7	1512.0	90	512	PP	287	-1221	-77	-71	-42	-31	-26	-12	-16	-13	-7	-5	-1	-4	-2
450N	X	7 A7	1512.0	90	512	PP	289	-1113	-54	-43	-31	-23	-20	-9	-10	-6	-4	-1	-2	-1	-1
500N	X	7 A7	1512.0	90	512	PP	291	-668	-51	-30	-23	-16	-11	-6	0	-1	-2	-2	-2	-2	-2
525N	X	7 A7	1512.0	90	512	PP	293	-651	-77	-49	-34	-25	-18	-18	-5	-5	-4	-5	0	-2	0
575N	X	7 A7	1512.0	90	512	PP	295	-648	-96	-84	-56	-40	-31	-23	-15	-13	-7	-4	-5	-2	-1
625N	X	7 A7	1512.0	90	512	PP	297	-510	-192	-136	-105	-69	-51	-38	-25	-17	-12	-11	-7	-3	-3
650N	X	7 A7	1512.0	90	512	PP	299	-148	-145	-93	-75	-54	-33	-26	-13	-12	-10	-8	-2	-3	-2
675N	X	7 A7	1512.0	90	512	PP	301	-12	-194	-132	-96	-64	-50	-36	-23	-17	-11	-9	-5	-2	-2
700N	X	7 A7	1512.0	90	512	PP	303	108	-235	-156	-111	-84	-56	-35	-27	-20	-13	-12	-7	-4	-2
725N	X	7 A7	1512.0	90	512	PP	305	345	-181	-134	-100	-73	-56	-30	-31	-16	-14	-11	-5	-4	-4
750N	X	7 A7	1512.0	90	512	PP	307	-73	-302	-219	-158	-111	-81	-59	-43	-31	-19	-14	-7	-5	-2
775N	X	7 A7	1512.0	90	512	PP	309	367	-276	-199	-146	-106	-74	-53	-39	-29	-16	-14	-10	-6	-2
800N	X	7 A7	1512.0	90	512	PP	311	911	-322	-228	-145	-106	-67	-50	-40	-23	-19	-16	-7	-5	-1
900N	X	6 A7	1512.0	90	512	PP	313	2453	-358	-258	-183	-141	-98	-72	-62	-40	-32	-18	-12	-6	-4
925N	X	6 A7	1512.0	90	512	PP	315	3690	-334	-233	-161	-115	-84	-56	-49	-36	-24	-22	-9	-8	-3
950N	X	5 A7	1512.0	90	512	PP	317	4791	-328	-241	-146	-128	-101	-59	-48	-41	-29	-10	-21	-4	-1
975N	X	5 A7	1512.0	90	512	PP	319	6690	-486	-285	-186	-143	-106	-71	-61	-43	-32	-18	-14	-7	-2
25N	Z	6 A7	1512.0	90	512	PP	254	43220	-48	21	188	223	185	95	49	38	16	9	5	6	4
50N	Z	5 A7	1512.0	90	512	PP	256	15600	259	303	220	175	112	61	23	2	-5	-6	-2	-1	5
75N	Z	5 A7	1512.0	90	512	PP	258	11890	276	232	145	148	51	14	-20	-25	-28	-27	-13	-9	-3
100N	Z	4 A7	1512.0	90	512	PP	260	9455	139	126	15	14	-34	-86	-101	-90	-86	-57	-39	-25	-9
125N	Z	7 A7	1512.0	90	512	PP	262	8212	572	481	418	326	261	202	155	114	85	58	39	24	14
150N	Z	4 A7	1512.0	90	512	PP	264	7431	734	681	562	465	390	318	270	202	152	103	73	44	23
175N	Z	5 A7	1512.0	90	512	PP	266	7036	1033	744	651	522	405	321	252	189	139	103	69	41	21
200N	Z	5 A7	1512.0	90	512	PP	268	6581	681	565	502	391	327	254	205	155	112	81	54	33	20
225N	Z	5 A7	1512.0	90	512	PP	270	6378	846	681	555	420	331	259	200	152	114	75	51	31	16
250N	Z	5 A7	1512.0	90	512	PP	272	6031	686	570	470	367	283	226	172	130	95	63	42	26	15
275N	Z	4 A7	1512.0	90	512	PP	274	5866	652	542	440	334	280	213	157	124	86	59	40	24	13
300N	Z	5 A7	1512.0	90	512	PP	276	5746	703	579	473	356	280	216	162	118	85	56	38	22	13
325N	Z	5 A7	1512.0	90	512	PP	278	5640	731	595	477	361	280	210	159	116	85	56	36	22	13
350N	Z	5 A7	1512.0	90	512	PP	280	5568	748	603	483	367	280	212	159	112	80	56	34	21	12
375N	Z	5 A7	1512.0	90	512	PP	282	5461	648	521	429	335	259	197	151	107	77	51	36	20	12
400N	Z	5 A7	1512.0	90	512	PP	284	5385	656	523	436	335	259	198	147	107	75	52	34	22	12
425N	Z	5 A7	1512.0	90	512	PP	286	5376	680	541	445	341	257	200	148	108	78	53	35	21	12
450N	Z	5 A7	1512.0	90	512	PP	288	5350	591	483	398	316	241	189	141	106	75	51	35	21	13
500N	Z	5 A7	1512.0	90	512	PP	290	5296	643	526	433	331	253	197	144	109	75	52	34	20	10
525N	Z	5 A7	1512.0	90	512	PP	292	5258	621	499	412	321	249	189	141	107	73	50	33	20	12
575N	Z	5 A7	1512.0	90	512	PP	294	5170	498	426	352	281	222	172	132	98	70	49	34	19	11
625N	Z	5 A7	1512.0	90	512	PP	296	5266	615	502	416	327	250	190	145	105	77	55	35	21	11
650N	Z	5 A7	1512.0	90	512	PP	298	5276	561	453	384	296	233	178	134	102	74	50	32	21	11
675N	Z	5 A7	1512.0	90	512	PP	300	5360	543	438	372	291	233	177	135	101	72	51	33	20	10
700N	Z	5 A7	1512.0	90	512	PP	302	5450	576	478	392	307	235	187	138	104	73	50	34	21	11
725N	Z	5 A7	1512.0	90	512	PP	304	5516	491	406	344	277	219	170	129	96	71	48	33	19	11
750N	Z	5 A7	1512.0	90	512	PP	306	5735	522	460	374	296	232	176	135	104	72	49	33	21	12
775N	Z	5 A7	1512.0	90	512	PP	308	6024	500	430	366	294	228	181	133	103	72	52	32	20	12
800N	Z	5 A7	1512.0	90	512	PP	310	6285	485	432	375	294	231	183	137	104	73	50	32	20	11
900N	Z	7 A7	1512.0	90	512	PP	312	8231	418	409	353	293	225	176	136	98	73	52	32	21	12
925N	Z	7 A7	1512.0	90	512	PP	314	9788	398	369	332	273	213	174	131	96	71	49	32	20	11
950N	Z	7 A7	1512.0	90	512	PP	316	13550	335	339	327	253	206	165	125	92	70	47	32	19	11
975N	Z	7 A7	1512.0	90	512	PP	318	26130	83	313	326	263	214	169	129	95	68	46	31	18	11

1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7750W
Grid	: HORN	Tx Loop	: NE
Date	: Jul 13, 1993	File name	: 7750N.PEM

Data Scaled by Factor of 1.00
IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP
Scale: 1:2500 Unit Scale: 1cm = 400 nT/s

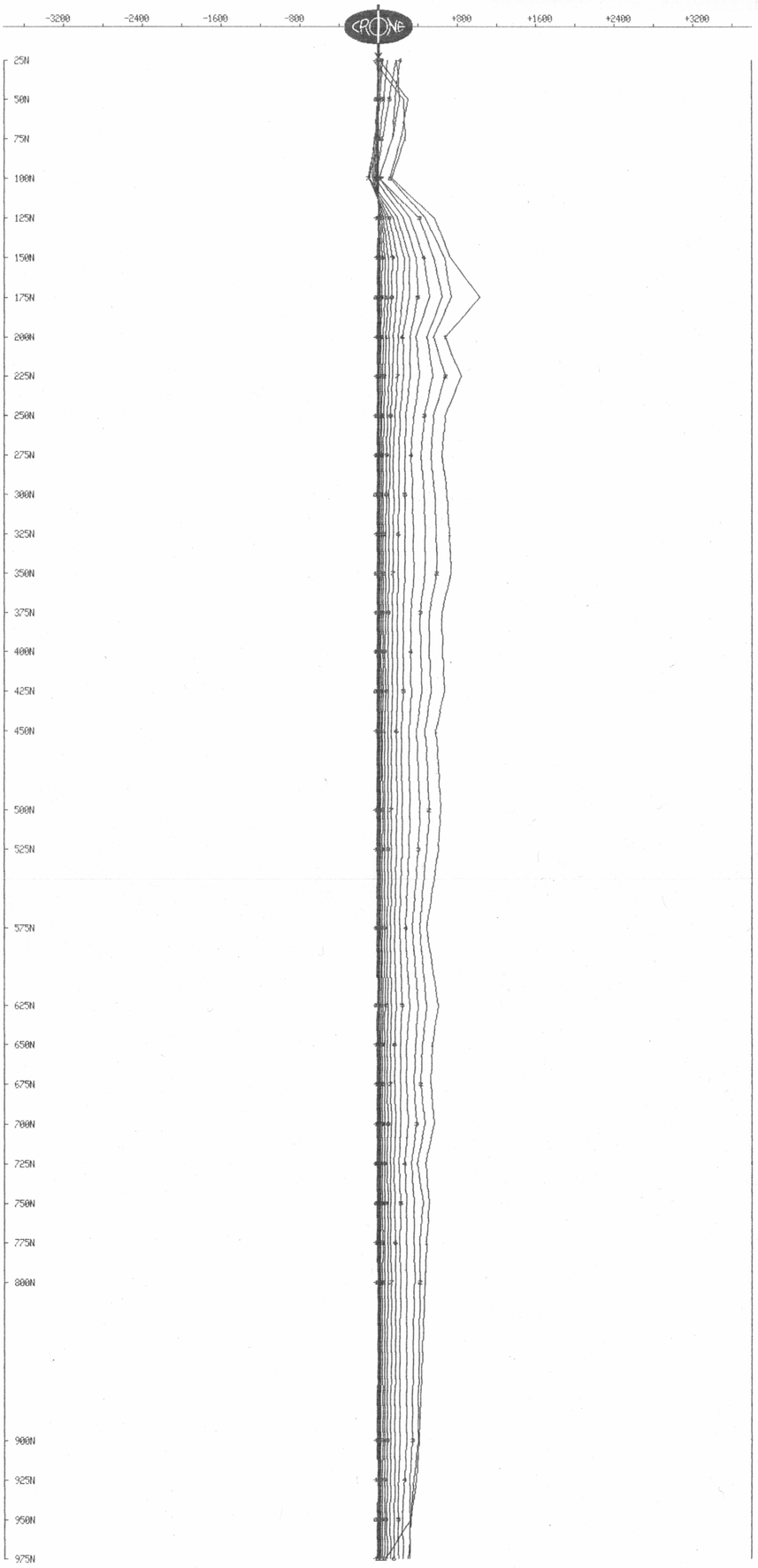


1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7750W
Grid	: HORN	Tx Loop	: NE
Date	: Jul 13, 1993	File name	: 7750N.PEM

Data Scaled by Factor of 1.00
VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP
Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



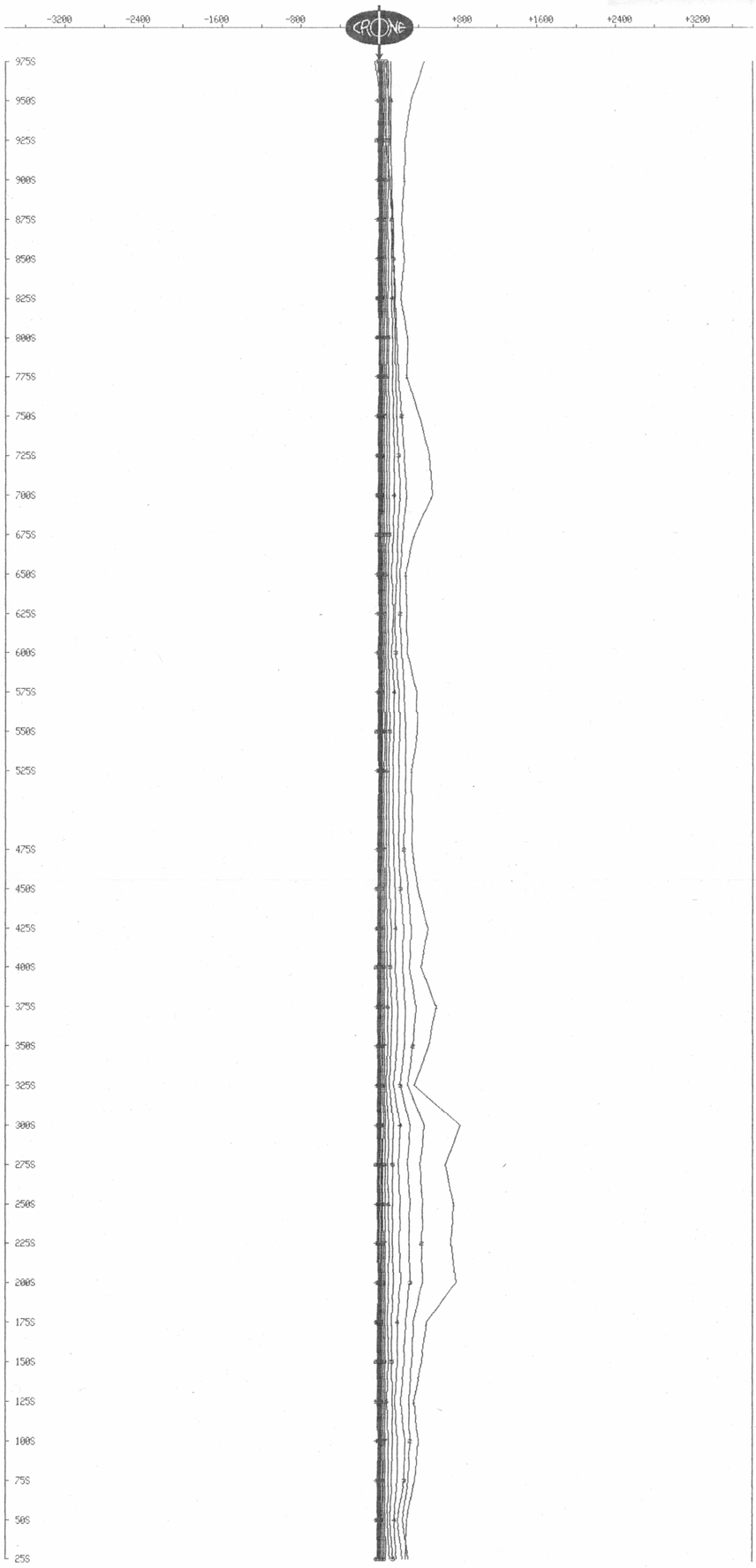
1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L7750W
Grid	: HORN	Tx Loop	: SE
Date	: Jul 15, 1993	File name	: 7750S.PEM

Data Scaled by Factor of 1.00
VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



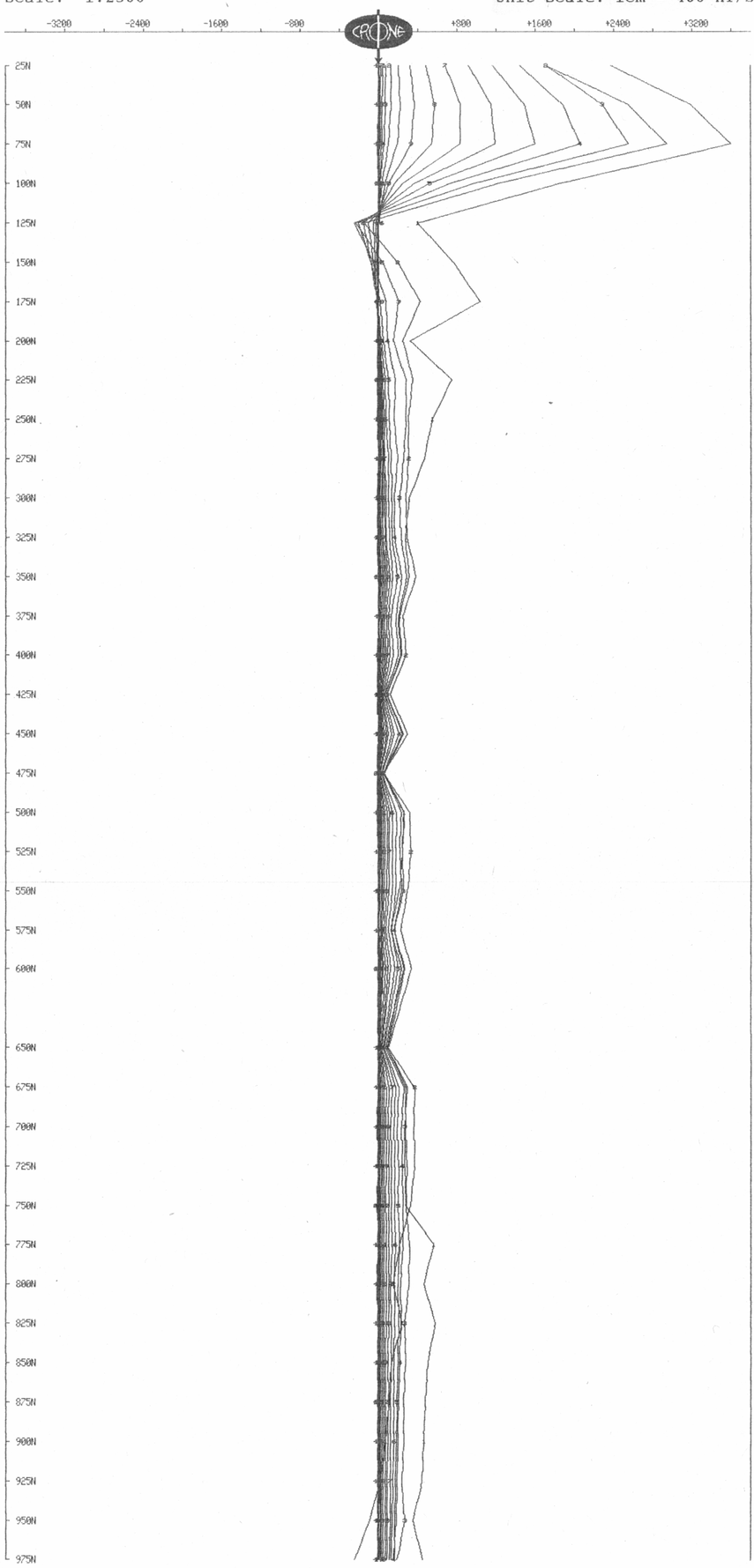
1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: **L8000W**
Grid	: HORN	Tx Loop	: **NW**
Date	: Jul 10, 1993	File name	: 8000N.PEM

Data Scaled by Factor of 1.00
VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

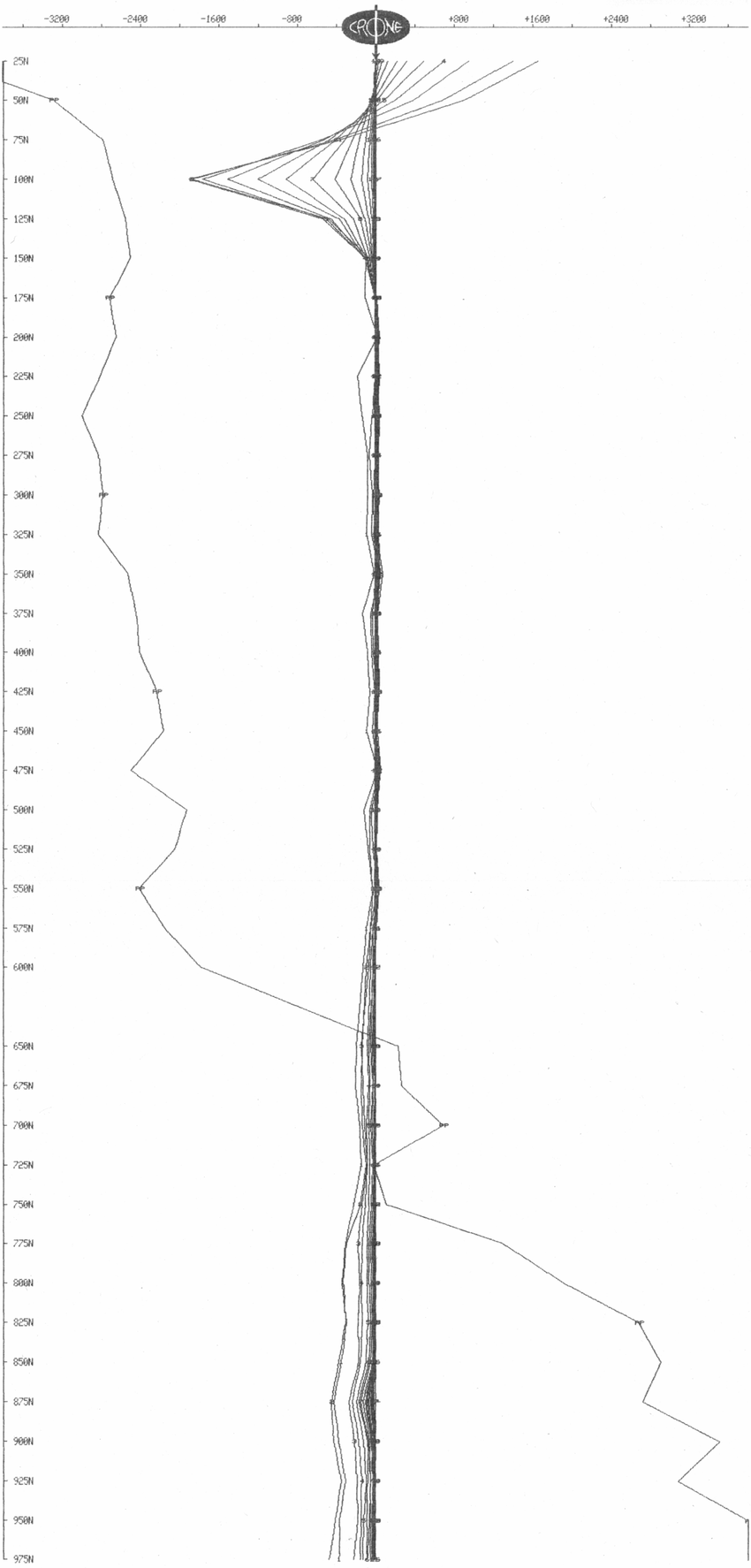
CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L8000W
Grid	: HORN	Tx Loop	: NW
Date	: Jul 10, 1993	File name	: 8000N.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s

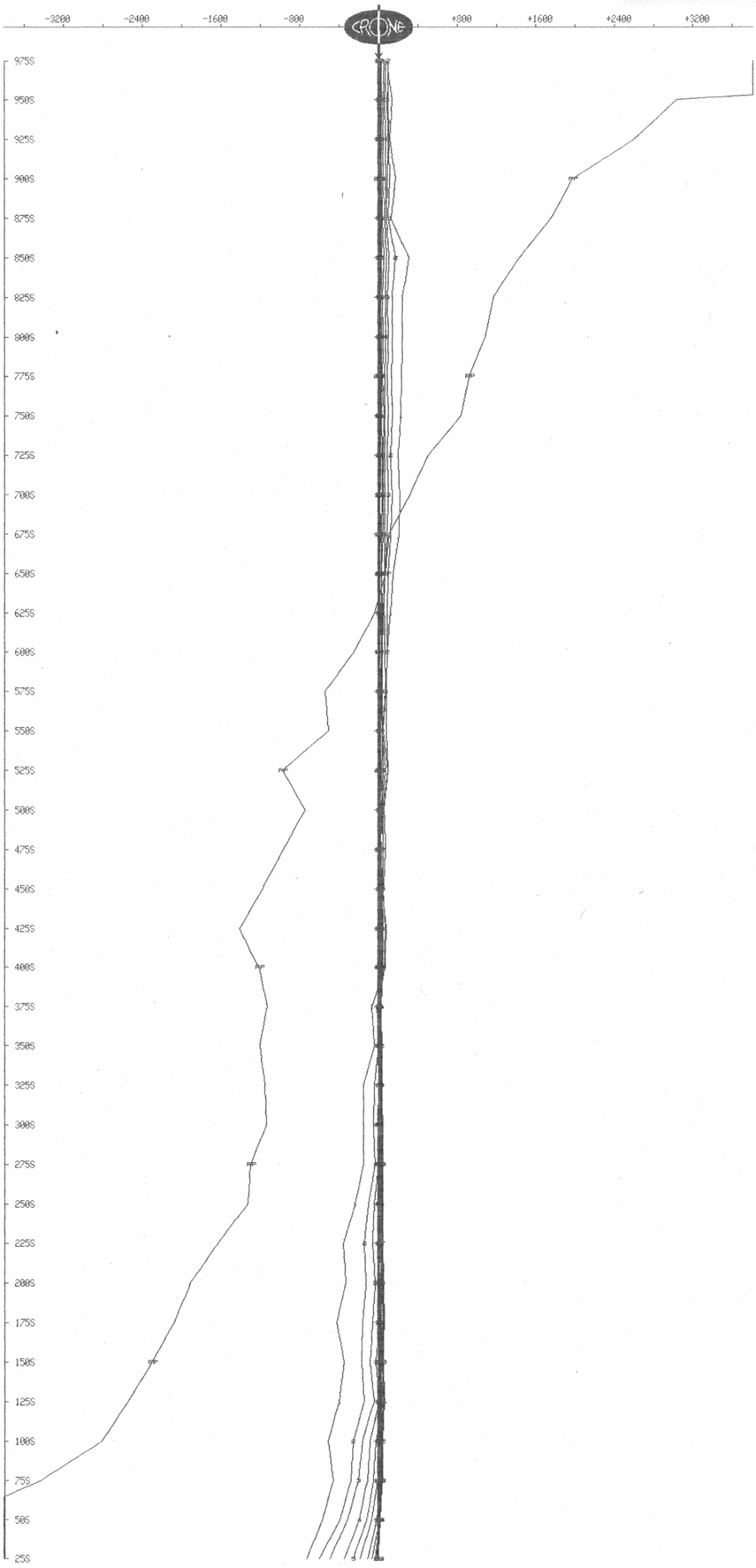


1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L8000W
Grid	: HORN	Tx Loop	: SW
Date	: Jul 17, 1993	File name	: 8000S.PEM

Data Scaled by Factor of 1.00
IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP
Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 10, 1993

Line : L8000W
Tx Loop : NW
File name : 8000N.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
25N X	-1	1	-2	0	0	0	0
50N X	-4	-5	-4	0	-1	0	0
75N X	-12	-4	-4	-1	0	0	1
100N X	-15	-7	-1	1	-1	-1	-1
125N X	-8	-5	-3	0	-1	0	-2
150N X	-3	-4	1	-1	-1	-2	-1
175N X	0	1	-1	0	0	1	0
200N X	4	1	-1	1	0	-1	0
225N X	1	1	0	-2	1	0	-1
250N X	0	1	1	0	0	-1	-1
275N X	2	1	-1	-2	1	0	1
300N X	4	0	3	-1	0	-1	0
325N X	2	1	1	-1	0	0	1
350N X	5	2	1	-2	-2	-4	-2
375N X	0	-3	-2	-1	-2	0	0
400N X	4	1	0	0	1	-1	0
425N X	0	1	1	-1	-1	-1	0
450N X	0	4	2	1	-1	1	-1
475N X	6	3	3	1	0	0	1
500N X	1	1	0	0	-1	-1	1
525N X	1	-1	-1	1	0	0	0
550N X	4	4	2	1	2	0	-2
575N X	-1	-2	-1	1	0	-1	0
600N X	-5	-5	-4	-2	-3	0	-2
650N X	-9	-6	-4	-3	-3	-1	-1
675N X	-2	-3	-1	-2	-1	-1	0
700N X	-5	-3	-1	-1	-1	0	-1
725N X	-2	-4	-2	-2	0	-1	1
750N X	-2	-2	1	-1	-2	0	0
775N X	-7	-7	-5	-2	-2	-2	0
800N X	-6	-3	-3	-2	1	0	1
825N X	-4	-5	-3	-2	0	0	-1
850N X	-4	-3	-2	-3	-1	0	0
875N X	-39	-31	-25	-20	-15	-10	-11
900N X	-8	-10	-1	-2	-1	-1	-1
925N X	-2	-6	-3	1	0	-1	1
950N X	-4	-5	-5	-1	-2	-2	1
975N X	-10	-6	-5	-3	-3	-1	-2
25N Z	27	15	8	4	2	0	0
50N Z	23	13	6	3	2	1	0
75N Z	19	12	5	2	0	0	-1
100N Z	9	5	4	1	1	0	0
125N Z	7	6	2	1	1	0	0
150N Z	5	5	3	3	1	0	0
175N Z	5	4	2	1	0	1	0
200N Z	6	4	3	1	2	0	0
225N Z	9	4	3	0	1	1	0
250N Z	7	5	3	2	0	-1	-1
275N Z	9	6	3	2	1	1	0
300N Z	9	4	3	1	1	0	-1
325N Z	8	7	2	3	-1	0	0
350N Z	11	7	6	3	1	0	0
375N Z	8	4	2	1	1	2	1
400N Z	11	8	4	3	1	1	0
425N Z	4	3	1	1	0	0	0
450N Z	13	10	5	3	1	1	0
475N Z	4	3	2	1	1	1	0
500N Z	14	10	5	3	2	0	0
525N Z	14	9	5	2	1	1	0
550N Z	9	6	4	1	0	0	1
575N Z	8	5	3	2	1	1	1
600N Z	15	8	6	3	1	1	1
650N Z	4	3	2	2	1	0	0
675N Z	14	10	5	3	2	1	1
700N Z	12	8	5	2	1	0	0
725N Z	16	10	6	4	2	1	1
750N Z	13	8	5	2	2	1	0
775N Z	13	8	5	3	2	2	0
800N Z	13	7	3	2	1	0	0
825N Z	13	8	4	2	1	1	0
850N Z	12	6	5	2	1	0	1
875N Z	12	7	4	2	1	1	1
900N Z	12	8	4	2	2	1	0
925N Z	11	7	4	2	2	0	0
950N Z	11	7	5	2	2	1	0
975N Z	10	6	3	2	1	0	0

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 17, 1993

Line : L8000W
Tx Loop : SW
File name : 8000S.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
975S X	2	0	0	-1	0	1	0
950S X	1	0	0	0	0	0	-1
925S X	1	0	1	0	0	0	0
900S X	1	1	2	2	2	0	0
875S X	1	0	0	1	0	0	0
850S X	1	0	0	1	1	0	0
825S X	1	-1	-1	0	0	-1	0
800S X	1	0	1	1	0	1	0
775S X	-1	1	-1	0	0	1	-1
750S X	1	0	-2	0	1	0	0
725S X	0	0	1	0	1	1	0
700S X	1	0	0	1	-1	-1	0
675S X	-1	-1	-2	1	0	0	0
650S X	1	0	0	1	1	1	1
625S X	-1	1	0	-1	0	0	0
600S X	1	1	0	-1	0	1	0
575S X	0	-1	-1	-1	1	0	0
550S X	0	2	0	2	1	2	0
525S X	0	0	0	0	0	0	0
500S X	-2	1	1	0	1	0	0
475S X	3	1	-1	-1	0	0	-1
450S X	0	1	0	-1	1	0	-1
425S X	0	0	0	-1	-1	-1	0
400S X	1	-1	0	1	0	0	0
375S X	2	1	1	0	-1	-1	0
350S X	1	1	1	-1	-1	0	-1
325S X	3	3	1	1	2	1	1
300S X	3	1	0	0	1	-1	0
275S X	2	1	-1	1	-1	0	0
250S X	2	2	1	0	0	0	0
225S X	6	2	0	1	0	-1	1
200S X	3	2	1	1	0	-1	0
175S X	8	5	2	-1	0	1	1
150S X	7	5	2	1	1	1	0
125S X	9	4	2	1	0	0	0
100S X	11	4	2	0	0	0	0
75S X	9	7	5	2	-1	0	-1
50S X	9	8	3	1	0	0	0
25S X	2	2	0	-1	0	0	0
975S Z	5	3	2	1	1	1	0
950S Z	4	2	2	0	0	0	0
925S Z	4	3	2	1	0	0	0
900S Z	5	2	2	1	1	1	0
875S Z	4	3	1	1	0	1	0
850S Z	4	4	2	1	0	0	0
825S Z	4	2	1	1	0	1	1
800S Z	5	2	1	1	1	0	0
775S Z	4	1	2	1	0	0	-1
750S Z	4	3	1	1	0	0	0
725S Z	4	2	1	1	-1	0	0
700S Z	5	3	2	1	1	0	0
675S Z	4	3	2	1	0	0	-1
650S Z	4	4	1	1	1	0	0
625S Z	4	2	0	0	0	0	-1
600S Z	4	4	2	1	0	1	0
575S Z	5	3	2	0	1	0	0
550S Z	4	3	2	1	1	1	0
525S Z	3	3	2	0	1	0	0
500S Z	7	3	3	1	1	0	1
475S Z	4	3	1	0	0	0	0
450S Z	5	4	2	1	1	0	0
425S Z	4	4	2	0	1	0	0
400S Z	5	3	1	1	1	1	0
375S Z	5	3	2	2	1	0	0
350S Z	6	4	3	2	1	0	0
325S Z	5	4	1	1	0	0	0
300S Z	4	4	1	1	0	0	0
275S Z	6	5	2	1	1	0	0
250S Z	6	4	1	1	0	1	1
225S Z	8	5	2	2	1	0	0
200S Z	8	6	3	2	1	1	0
175S Z	11	6	3	2	1	1	0
150S Z	12	7	4	3	2	0	0
125S Z	15	9	5	2	1	0	0
100S Z	20	13	7	4	2	1	0
75S Z	29	17	10	5	2	2	0
50S Z	37	22	12	6	2	1	0
25S Z	47	27	15	7	4	1	0

CRONE GEOPHYSICS & EXPLORATION LTDO
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 17, 1993

Line : L8000W
Tx Loop : SW
File name : 8000S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	%TS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
975S	X	7 A7	1512.0	90	512	PP	641	9147	91	96	99	73	57	34	24	15	9	8	4	2	-1
950S	X	6 A7	1512.0	90	512	PP	643	3031	137	97	91	65	49	27	18	12	8	8	4	0	1
925S	X	6 A7	1512.0	90	512	PP	645	2603	115	108	99	68	44	33	21	10	9	5	0	3	0
900S	X	6 A7	1512.0	90	512	PP	647	1982	173	116	88	75	47	32	23	13	12	4	4	2	2
875S	X	7 A7	1512.0	90	512	PP	649	1759	127	98	83	64	42	28	20	15	10	5	3	1	2
850S	X	7 A7	1512.0	90	512	PP	651	1433	315	175	105	80	51	31	25	16	6	5	4	3	2
825S	X	7 A7	1512.0	90	512	PP	653	1166	240	141	90	73	42	34	21	11	7	3	4	3	3
800S	X	7 A7	1512.0	90	512	PP	655	1084	242	142	99	75	46	30	23	11	12	5	4	3	2
775S	X	7 A7	1512.0	90	512	PP	657	924	233	131	88	63	42	33	21	14	9	4	2	1	3
750S	X	7 A7	1512.0	90	512	PP	659	838	227	143	99	64	52	33	20	14	7	5	4	3	3
725S	X	7 A7	1512.0	90	512	PP	661	504	197	123	90	64	43	34	22	11	11	4	3	1	2
700S	X	7 A7	1512.0	90	512	PP	663	317	216	139	99	63	45	36	17	17	6	8	6	1	2
675S	X	7 A7	1512.0	90	512	PP	665	110	211	127	90	60	43	29	21	14	10	5	3	4	-1
650S	X	6 A7	1512.0	90	512	PP	667	70	147	102	64	60	33	30	5	13	9	8	3	3	1
625S	X	6 A7	1512.0	90	512	PP	669	-37	123	89	59	44	39	32	17	15	7	2	1	2	2
600S	X	5 A7	1512.0	90	512	PP	671	-252	91	90	68	42	41	26	17	8	12	4	2	0	2
575S	X	6 A7	1512.0	90	512	PP	673	-539	81	76	73	41	20	28	22	13	9	2	1	2	1
550S	X	6 A7	1512.0	90	512	PP	675	-509	79	50	41	40	36	21	15	14	9	6	4	2	-1
525S	X	6 A7	1512.0	90	512	PP	677	-972	95	97	71	49	46	24	32	24	9	0	4	4	0
500S	X	6 A7	1512.0	90	512	PP	679	-748	58	43	37	38	27	11	21	11	9	6	1	3	-2
475S	X	5 A7	1512.0	90	512	PP	681	-963	76	44	45	44	22	31	21	6	15	5	4	0	4
450S	X	7 A7	1512.0	90	512	PP	756	-1180	50	39	43	41	32	28	26	13	13	9	2	4	3
425S	X	7 A7	1512.0	90	512	PP	758	-1412	70	84	70	47	36	39	27	21	8	11	4	5	2
400S	X	7 A7	1512.0	90	512	PP	760	-1217	68	61	65	50	39	37	28	21	13	8	4	4	1
375S	X	6 A7	1512.0	90	512	PP	762	-1131	-67	-11	8	26	23	31	18	21	12	8	8	2	1
350S	X	7 A7	1512.0	90	512	PP	764	-1202	-36	3	19	32	41	30	31	23	14	11	8	3	2
325S	X	7 A7	1512.0	90	512	PP	766	-1151	-148	-37	8	25	37	34	33	28	19	14	10	6	3
300S	X	6 A7	1512.0	90	512	PP	768	-1135	-146	-45	8	28	37	44	36	35	19	16	10	7	6
275S	X	6 A7	1512.0	90	512	PP	770	-1300	-148	-34	8	28	42	46	50	35	26	18	11	9	6
250S	X	6 A7	1512.0	90	512	PP	772	-1326	-234	-95	-38	8	27	42	45	33	29	18	11	7	7
225S	X	6 A7	1512.0	90	512	PP	774	-1632	-351	-139	-53	0	30	45	50	36	31	22	16	8	9
200S	X	6 A7	1512.0	90	512	PP	776	-1907	-329	-120	-29	21	47	57	55	45	35	29	16	11	11
175S	X	6 A7	1512.0	90	512	PP	778	-2082	-418	-154	-56	10	46	62	56	53	43	32	21	13	11
150S	X	6 A7	1512.0	90	512	PP	780	-2299	-341	-168	-80	-17	16	44	48	53	41	31	23	17	13
125S	X	6 A7	1512.0	90	512	PP	782	-2551	-397	-141	-42	13	53	61	66	64	53	42	30	23	14
100S	X	6 A7	1512.0	90	512	PP	784	-2817	-504	-252	-157	-77	-20	16	41	44	43	39	32	23	17
75S	X	6 A7	1512.0	90	512	PP	786	-3430	-456	-275	-201	-110	-48	-3	26	43	38	41	33	24	19
50S	X	5 A7	1512.0	90	512	PP	788	-4336	-569	-390	-315	-193	-112	-61	-16	11	24	25	23	22	17
25S	X	5 A7	1512.0	90	512	PP	790	-7341	-728	-599	-489	-348	-255	-184	-105	-61	-29	-15	-1	5	6
975S	Z	7 A7	1512.0	90	512	PP	640	27940	26	141	211	158	124	89	58	42	29	20	14	9	6
950S	Z	7 A7	1512.0	90	512	PP	642	13690	198	196	177	140	105	77	54	37	25	16	12	7	6
925S	Z	7 A7	1512.0	90	512	PP	644	10830	223	212	192	148	110	82	59	35	27	20	14	9	6
900S	Z	7 A7	1512.0	90	512	PP	646	9518	254	227	202	158	112	80	52	43	27	19	12	8	5
875S	Z	7 A7	1512.0	90	512	PP	648	8690	252	221	187	138	102	75	55	37	26	17	13	8	5
850S	Z	7 A7	1512.0	90	512	PP	650	8280	572	289	242	195	136	97	65	44	29	21	15	10	7
825S	Z	7 A7	1512.0	90	512	PP	652	7862	398	281	233	180	127	91	62	42	31	18	13	9	6
800S	Z	7 A7	1512.0	90	512	PP	654	7713	539	310	245	195	137	98	66	43	31	21	15	8	6
775S	Z	5 A7	1512.0	90	512	PP	656	7585	544	318	256	201	140	98	63	43	30	20	14	6	6
750S	Z	5 A7	1512.0	90	512	PP	658	7622	575	329	267	202	143	101	69	48	30	20	13	9	7
725S	Z	5 A7	1512.0	90	512	PP	660	7614	436	307	264	196	140	99	66	48	29	18	16	9	6
700S	Z	7 A7	1512.0	90	512	PP	662	7710	645	358	286	217	154	105	77	49	33	21	14	9	7
675S	Z	7 A7	1512.0	90	512	PP	664	7857	746	395	300	231	158	113	73	49	34	21	15	10	7
650S	Z	7 A7	1512.0	90	512	PP	666	7977	568	363	289	220	158	105	74	48	34	22	17	10	8
625S	Z	4 A7	1512.0	90	512	PP	668	7074	428	311	249	182	133	91	60	39	26	16	13	7	4
600S	Z	7 A7	1512.0	90	512	PP	670	8138	418	329	278	204	143	105	70	51	32	22	16	10	6
575S	Z	7 A7	1512.0	90	512	PP	672	8126	435	345	289	211	152	107	70	48	32	25	13	10	8
550S	Z	7 A7	1512.0	90	512	PP	674	8127	397	324	266	201	145	103	66	51	32	22	15	11	7
525S	Z	7 A7	1512.0	90	512	PP	676	8215	407	334	275	209	151	105	71	50	34	23	13	9	7
500S	Z	7 A7	1512.0	90	512	PP	678	8264	528	401	324	244	169	119	81	55	37	23	14	11	8
475S	Z	7 A7	1512.0	90	512	PP	680	8221	505	393	319	238	163	118	82	51	36	23	16	9	7
450S	Z	7 A7	1512.0	90	512	PP	755	8164	484	384	321	234	165	121	78	55	39	23	16	12	8
425S	Z	7 A7	1512.0	90	512	PP	757	8359	489	399	326	238	175	121	84	58	36	25	16	12	8
400S	Z	7 A7	1512.0	90	512	PP	759	8423	649	481	392	287	200	141	95	59	43	26	17	12	7
375S	Z	7 A7	1512.0	90	512	PP	761	8680	935	582	448	337	233	159	107	67	45	28	18	12	8
350S	Z	7 A7	1512.0	90	512	PP	763	8803	850	568	447	331	233	164	110	74	47	31	19	13	8
325S	Z	7 A7	1512.0	90	512	PP	765	9005	1206	684	509	383	264	183	123	79	51	33	21	14	8
300S	Z	7 A7	1512.0	90	512	PP	767	9012	1266	714	530	408	285	194	133	84	54	35	22	17	9
275S	Z	7 A7	1512.0	90	512	PP	769	9221	1000	649	512	397	282	200	137	89	60	38	23	15	11
250S	Z	7 A7	1512.0	90	512	PP	771	9386	1102	700	558	430	310	218	150	101	67	39	26	18	11
225S	Z	6 A7	1512.0	90	512	PP	773	9608	1280	766	608	477	350	251	172	118	75	50	31	19	12
200S	Z	6 A7	1512.0	90	512	PP	775	9900	1303	804	641	511	378	271	194	132	85	53	35	22	13
175S	Z	6 A7	1512.0	90	512	PP	777	10260	1331	852	699	560	424	315	225	155	100	68	43	26	18
150S	Z	7 A7	1512.0	90	512	PP	779	10760	1128	830	718	587	454	335	249	173	116	78	50	30	22
125S	Z	6 A7	1512.0	90	512	PP	781	11410	1340	950	827	683	533	409	294	209	143	93	63	40	25
100S	Z	7 A7	1512.0	90	512	PP	783	12230	1318	1026	908	756	594	458	341	243	171	111	75	50	32
75S	Z	7 A7	1512.0	90	512	PP	785	14120	1345	1177	1054	872	704	552	422	305	221	150	102	69	46
50S	Z	7 A7	1512.0	90	512	PP	787	17270	1393	1284	1158	973	787	636	485	363	267	185	130	88	59
25S	Z	7 A7	1512.0	90	512	PP	789	26390	1386	1321	1185	1000	832	681	541	414	309	225	160	110	74

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CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 10, 1993

Line : L8000W
Tx Loop : NW
File name : 8000N.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
25N	X	5 A7	1507.5	90	512	PP	4	-4382	1656	1403	947	694	486	320	215	121	62	31	13	4	-2
50N	X	6 A7	1507.5	90	512	PP	6	-3293	909	687	388	203	91	16	-20	-40	-44	-36	-27	-16	-17
75N	X	6 A7	1507.5	90	512	PP	8	-2783	-358	-412	-547	-522	-471	-406	-313	-238	-170	-100	-59	-35	-22
100N	X	6 A7	1507.5	90	512	PP	10	-2682	-1898	-1879	-1764	-1510	-1204	-915	-643	-410	-248	-140	-78	-42	-22
125N	X	6 A7	1507.5	90	512	PP	12	-2556	-539	-481	-507	-456	-368	-315	-226	-154	-108	-67	-33	-20	-12
150N	X	6 A7	1507.5	90	512	PP	14	-2503	-100	-66	-107	-109	-103	-92	-78	-58	-38	-30	-19	-11	-4
175N	X	6 A7	1507.5	90	512	PP	16	-2715	-108	6	-5	5	10	-7	-5	-5	-3	-4	-1	-2	-4
200N	X	6 A7	1507.5	90	512	PP	18	-2655	20	14	16	30	35	23	26	20	9	8	6	4	2
225N	X	6 A7	1507.5	90	512	PP	20	-2814	-184	-4	-6	24	21	39	34	16	21	6	10	4	6
250N	X	6 A7	1507.5	90	512	PP	22	-3003	-138	-33	-9	6	36	24	32	21	17	9	5	2	3
275N	X	6 A7	1507.5	90	512	PP	24	-2832	-83	-65	-3	13	27	23	19	19	20	7	10	4	3
300N	X	6 A7	1507.5	90	512	PP	26	-2785	-82	-26	-18	7	34	16	28	23	15	9	9	4	1
325N	X	6 A7	1507.5	90	512	PP	28	-2826	-88	-38	-12	16	19	30	19	20	12	13	6	2	2
350N	X	3 A7	1507.5	90	512	PP	30	-2535	-12	41	6	44	70	41	41	31	37	27	21	11	8
375N	X	6 A7	1507.5	90	512	PP	176	-2447	-129	-50	-31	13	18	20	22	18	11	11	6	1	1
400N	X	6 A7	1507.5	90	512	PP	174	-2409	-81	-39	-21	7	28	25	26	22	22	10	5	9	3
425N	X	6 A7	1507.5	90	512	PP	172	-2230	-59	-3	21	5	38	30	28	21	22	14	14	2	5
450N	X	6 A7	1507.5	90	512	PP	170	-2169	-86	-33	1	0	5	20	24	15	14	8	4	5	0
475N	X	6 A7	1507.5	90	512	PP	168	-2494	21	39	47	32	45	53	44	32	34	24	18	13	6
500N	X	6 A7	1507.5	90	512	PP	166	-1928	-117	-56	-38	-6	2	5	21	10	9	8	4	2	-1
525N	X	6 A7	1507.5	90	512	PP	164	-2049	-74	-56	-25	-7	12	0	16	8	5	4	4	5	0
550N	X	6 A7	1507.5	90	512	PP	162	-2417	-23	-24	25	19	36	40	37	34	26	16	13	9	5
575N	X	6 A7	1507.5	90	512	PP	158	-2146	-91	-47	-44	-18	-22	1	7	12	5	3	0	-3	3
600N	X	6 A7	1507.5	90	512	PP	156	-1785	-122	-87	-65	-49	-14	-19	-2	-7	-3	-3	-4	-3	-5
650N	X	6 A7	1507.5	90	512	PP	154	234	-188	-134	-137	-78	-63	-44	-27	-20	-13	-17	-7	-8	-10
675N	X	6 A7	1507.5	90	512	PP	152	272	-202	-139	-122	-65	-58	-25	-19	0	-4	-3	-4	-6	-4
700N	X	6 A7	1507.5	90	512	PP	150	693	-155	-132	-109	-89	-60	-43	-32	-15	-17	-5	-7	-7	-7
725N	X	6 A7	1507.5	90	512	PP	148	-16	-141	-89	-84	-79	-54	-24	-12	-9	-4	-7	-1	-2	-5
750N	X	6 A7	1507.5	90	512	PP	146	117	-216	-152	-133	-102	-62	-36	-21	-10	-7	-7	-6	-7	-6
775N	X	6 A7	1507.5	90	512	PP	144	1295	-300	-292	-178	-133	-85	-68	-47	-28	-20	-18	-13	-14	-9
800N	X	6 A7	1507.5	90	512	PP	142	1919	-338	-324	-160	-138	-77	-60	-42	-24	-19	-17	-9	-11	-8
825N	X	5 A7	1507.5	90	512	PP	140	2681	-295	-298	-172	-135	-76	-44	-27	-28	-19	-11	-11	-11	-2
850N	X	6 A7	1507.5	90	512	PP	138	2913	-343	-371	-165	-146	-89	-63	-45	-22	-25	-15	-18	-9	-9
875N	X	5 A7	1507.5	90	512	PP	136	2731	-425	-443	-271	-238	-195	-168	-152	-123	-101	-88	-76	-64	-44
900N	X	5 A7	1507.5	90	512	PP	134	3515	-367	-424	-211	-163	-111	-75	-62	-52	-38	-27	-29	-19	-12
925N	X	6 A7	1507.5	90	512	PP	132	3095	-304	-349	-182	-136	-86	-76	-48	-44	-20	-21	-13	-7	-6
950N	X	5 A7	1507.5	90	512	PP	130	3815	-359	-408	-173	-142	-112	-81	-54	-50	-32	-25	-19	-11	-10
975N	X	5 A7	1507.5	90	512	PP	128	4576	-366	-468	-217	-146	-122	-77	-77	-48	-33	-29	-21	-21	-14
25N	Z	6 A7	1507.5	90	512	PP	3	21330	2377	1713	1717	1447	1166	922	689	489	331	212	130	78	48
50N	Z	5 A7	1507.5	90	512	PP	5	14260	3183	2553	2289	1881	1495	1153	838	571	371	226	131	75	41
75N	Z	5 A7	1507.5	90	512	PP	7	11550	3608	2946	2556	2062	1607	1195	840	550	340	198	110	60	34
100N	Z	6 A7	1507.5	90	512	PP	9	9595	1860	1230	981	732	522	367	250	165	107	68	41	23	17
125N	Z	7 A7	1507.5	90	512	PP	11	8744	405	-141	-221	-242	-204	-151	-97	-51	-22	0	6	8	8
150N	Z	7 A7	1507.5	90	512	PP	13	8271	773	202	46	-46	-75	-71	-50	-33	-10	1	4	5	5
175N	Z	7 A7	1507.5	90	512	PP	15	7956	1044	427	210	85	24	-3	-7	-10	4	8	7	7	6
200N	Z	7 A7	1507.5	90	512	PP	17	7631	325	253	160	97	53	32	17	16	13	14	10	8	7
225N	Z	5 A7	1507.5	90	512	PP	19	7473	753	356	284	173	103	72	45	37	30	23	16	11	8
250N	Z	4 A7	1507.5	90	512	PP	21	7389	553	313	283	164	118	81	62	47	41	27	19	14	13
275N	Z	6 A7	1507.5	90	512	PP	23	7310	471	314	263	197	130	105	68	54	43	31	23	17	10
300N	Z	5 A7	1507.5	90	512	PP	25	7362	320	285	220	169	141	103	80	62	49	39	25	15	15
325N	Z	4 A7	1507.5	90	512	PP	27	7465	276	292	230	170	144	119	85	71	50	43	28	21	13
350N	Z	4 A7	1507.5	90	512	PP	29	7495	319	391	291	243	196	147	124	98	80	64	43	31	19
375N	Z	6 A7	1507.5	90	512	PP	175	8555	214	251	209	179	131	107	83	64	44	33	25	15	12
400N	Z	7 A7	1507.5	90	512	PP	173	8738	246	285	234	213	159	122	102	80	61	48	31	24	16
425N	Z	7 A7	1507.5	90	512	PP	171	8751	88	124	92	72	66	50	40	33	25	18	11	11	6
450N	Z	7 A7	1507.5	90	512	PP	169	8882	247	300	260	217	169	144	106	90	64	49	38	27	18
475N	Z	7 A7	1507.5	90	512	PP	167	8956	54	55	64	60	42	36	24	20	15	12	10	7	5
500N	Z	7 A7	1507.5	90	512	PP	165	8870	264	329	270	239	189	150	119	97	74	52	39	26	19
525N	Z	7 A7	1507.5	90	512	PP	163	8908	254	333	250	222	187	152	114	95	72	55	39	26	19
550N	Z	7 A7	1507.5	90	512	PP	161	9261	221	306	264	240	185	149	118	92	67	50	35	22	16
575N	Z	7 A7	1507.5	90	512	PP	157	9458	132	233	169	167	137	108	81	65	49	39	27	17	11
600N	Z	7 A7	1507.5	90	512	PP	155	9499	241	349	281	264	209	178	131	104	80	58	43	34	22
650N	Z	7 A7	1507.5	90	512	PP	153	8037	94	108	100	79	63	57	40	40	26	20	13	11	6
675N	Z	7 A7	1507.5	90	512	PP	151	9147	289	378	306	269	221	182	147	114	86	64	48	33	23
700N	Z	7 A7	1507.5	90	512	PP	149	9524	289	371	278	246	204	165	134	109	82	62	44	30	20
725N	Z	7 A7	1507.5	90	512	PP	147	9961	300	377	277	249	214	174	144	116	89	67	49	34	23
750N	Z	7 A7	1507.5	90	512	PP	145	9514	282	333	292	257	211	173	138	112	85	66	46	33	21
775N	Z	7 A7	1507.5	90	512	PP	143	10720	577	227	330	256	222	180	145	118	92	66	48	32	22
800N	Z	7 A7	1507.5	90	512	PP	141	11080	474	159	322	232	205	170	136	111	87	61	45	30	18
825N	Z	7 A7	1507.5	90	512	PP	139	11730	592	252	272	241	215	175	141	112	88	64	47	31	20
850N	Z	7 A7	1507.5	90	512	PP	137	12260	515	143	288	224	206	166	137	109	83	63	46	29	19
875N	Z	7 A7	1507.5	90	512	PP	135	13230	493	119	267	216	202	166	133	111	83	62	45	31	20
900N	Z	7 A7	1507.5	90	512	PP	133	14400	475	81	267	209	193	164	132	107	83	63	44	28	20
925N	Z	7 A7	1507.5	90	512	PP	131	15640	459	29	250	201	186	156	130	101	79	58	42	28	18
950N	Z	7 A7	1507.5	90	512	PP	129	17490	359	-82	275	189	176	145	128	99	80	55	41	28	16
975N	Z	7 A7	1507.5	90	512	PP	127	25900	462	-231	201	162	173	143	120	99	76	53	40	25	18

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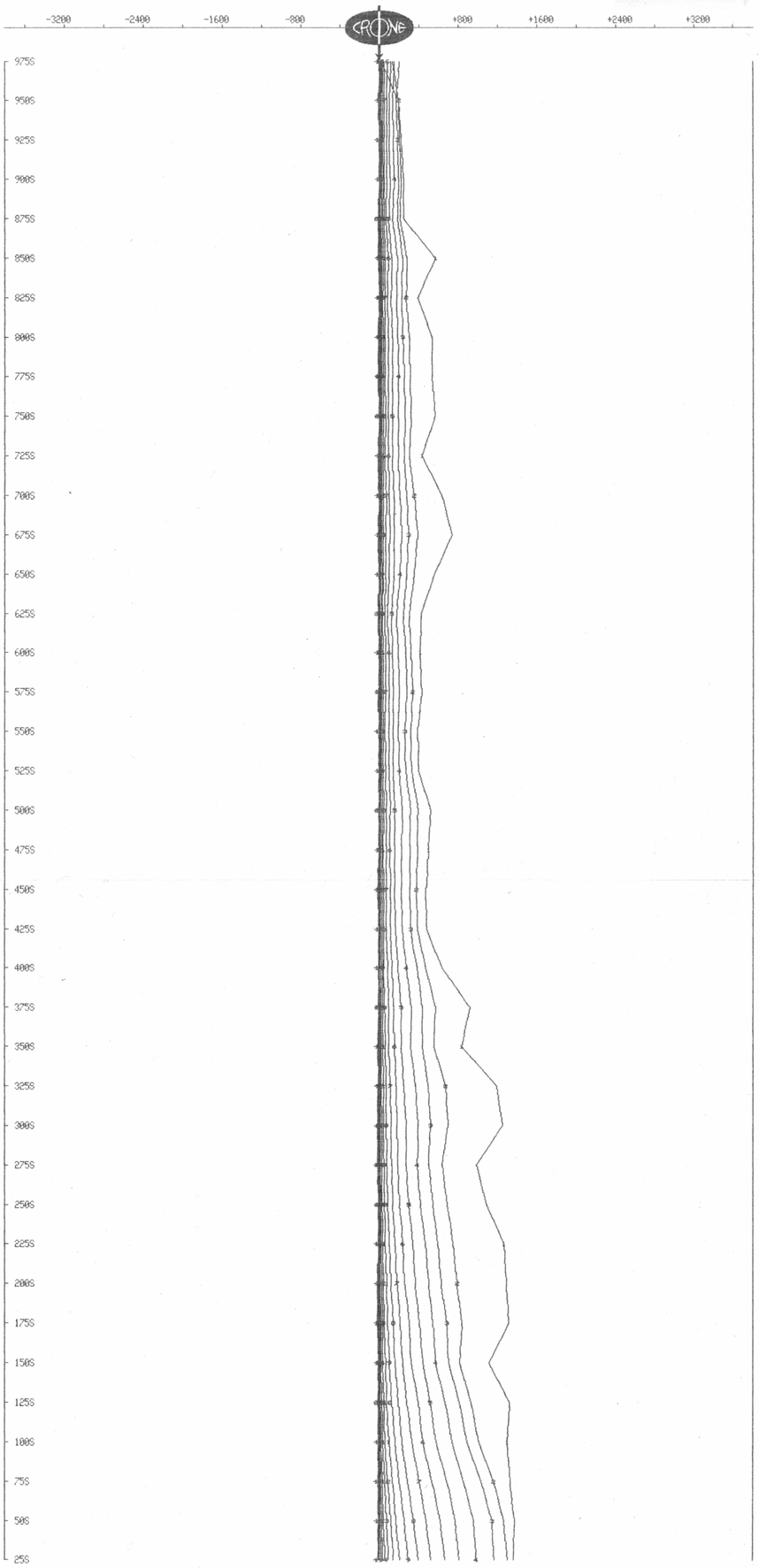
CRONE GEOPHYSICS & EXPLORATION LTDO
SURFACE PEM

Client	: METALL	Line	: L8000W
Grid	: HORN	Tx Loop	: SW
Date	: Jul 17, 1993	File name	: 8000S.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



1

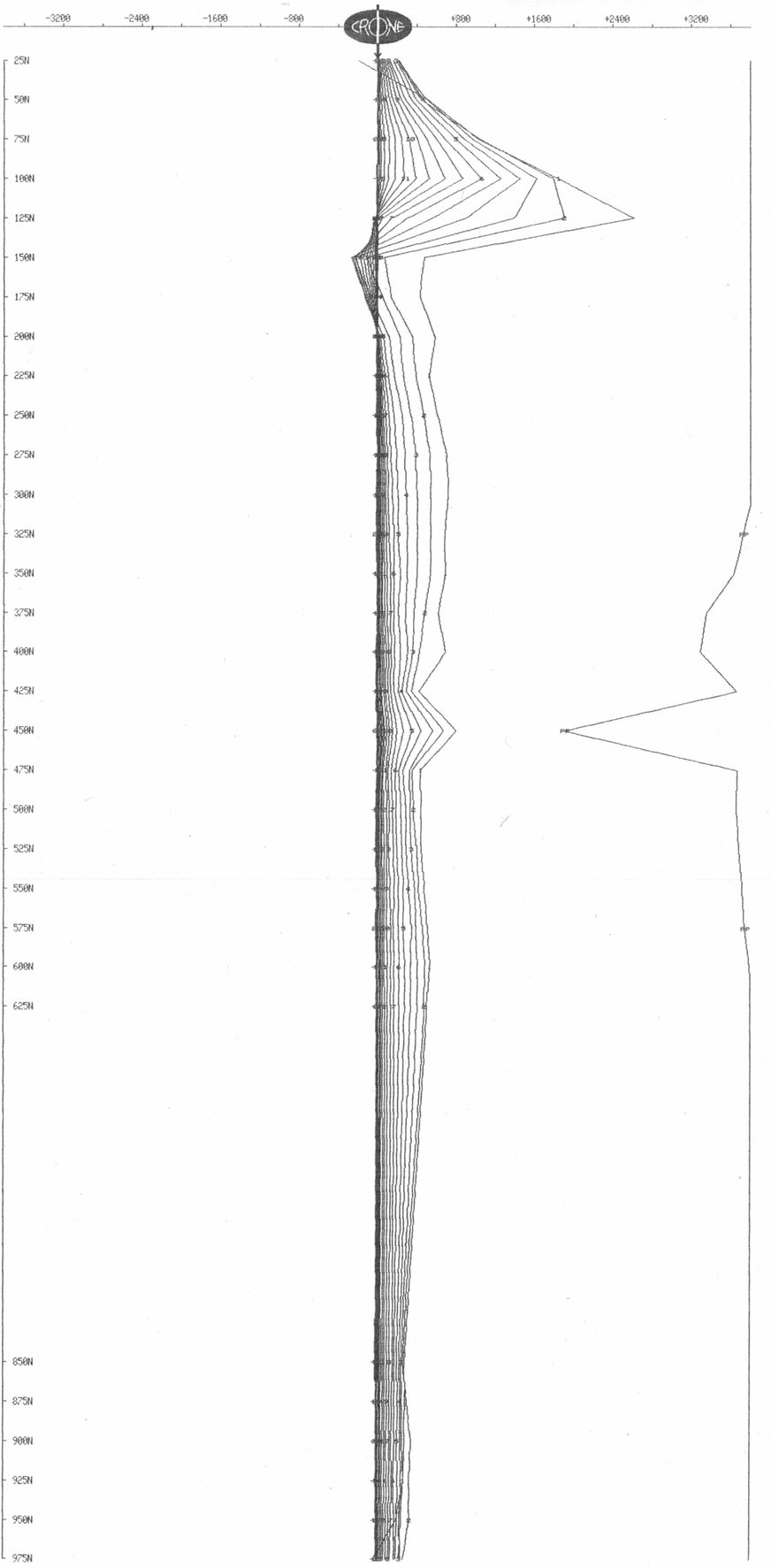
CRONE GEOPHYSICS & EXPLORATION LTDO
SURFACE PEM

Client	: METALL	Line	: **L8250W**
Grid	: HORN	Tx Loop	: **NW**
Date	: Jul 10, 1993	File name	: 8250N.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s

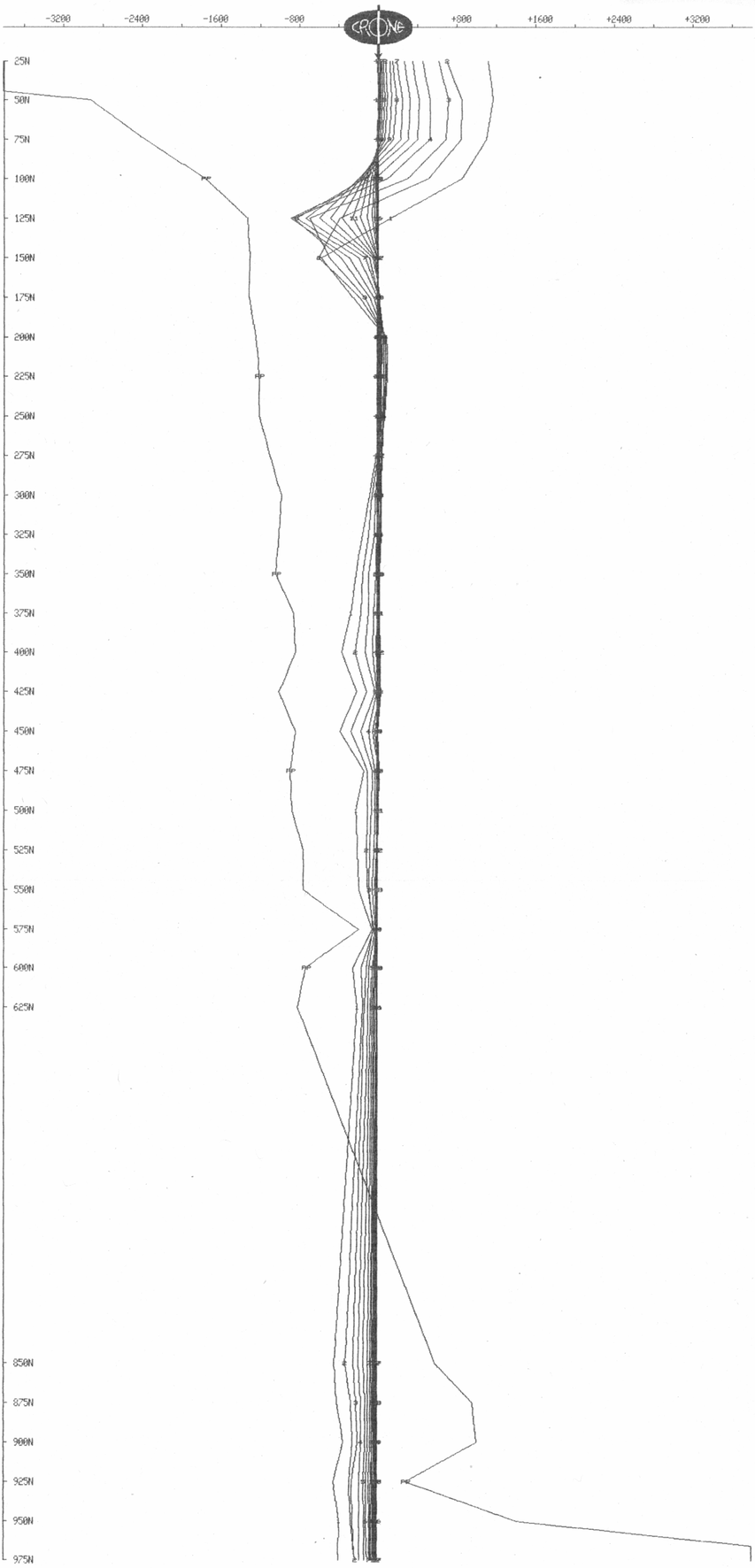


1

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L8250W
Grid	: HORN	Tx Loop	: NW
Date	: Jul 10, 1993	File name	: 8250N.PEM

Data Scaled by Factor of 1.00
IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP
Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 17, 1993

Line : L8250W
Tx Loop : SW
File name : 8250S.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
900S X	-1	1	0	1	0	1	0
875S X	2	-1	0	2	0	-1	0
850S X	-2	-1	-2	1	-1	-1	-2
825S X	3	0	1	0	0	0	-1
800S X	3	1	0	-2	0	0	-1
775S X	0	0	0	2	-1	2	0
750S X	-1	1	-1	-1	1	0	0
725S X	2	0	1	-2	0	-1	0
700S X	0	1	0	0	1	0	1
675S X	0	-1	0	0	1	-1	0
650S X	-1	-1	1	-2	0	2	0
625S X	0	1	0	0	1	0	0
600S X	1	0	2	-1	1	0	1
575S X	-2	-1	0	1	-1	0	0
550S X	4	0	0	0	0	0	0
525S X	0	1	1	0	0	-1	-1
500S X	2	0	1	-2	1	-1	1
475S X	1	-3	0	0	-1	1	-1
450S X	2	2	-1	1	-2	1	-1
425S X	-1	-3	-1	0	-1	0	1
400S X	-1	2	0	-1	-1	-1	1
375S X	0	0	2	1	-1	-1	-1
350S X	-1	3	-1	1	-1	-1	0
325S X	2	0	-2	-1	-1	-1	-1
300S X	-2	1	0	1	1	-1	-1
275S X	2	-1	-1	-1	1	0	0
250S X	2	-1	0	0	0	0	0
225S X	2	1	1	1	-1	-1	1
200S X	1	-1	-3	-2	0	0	0
175S X	0	-2	1	1	-1	1	1
150S X	-1	1	-3	-1	-1	-1	1
125S X	-5	0	1	0	-1	0	0
100S X	-3	-1	-1	1	0	0	-1
75S X	-3	-3	-3	1	0	1	0
50S X	-5	-1	-3	-1	-2	0	0
25S X	-4	-2	-1	1	0	-1	0
900S Z	4	3	1	1	1	0	0
875S Z	3	3	2	1	0	0	0
850S Z	5	2	2	2	1	0	-1
825S Z	5	3	1	1	0	0	0
800S Z	3	3	1	1	1	0	0
775S Z	3	2	0	0	0	0	0
750S Z	4	2	2	1	0	0	0
725S Z	4	3	2	1	1	0	0
700S Z	5	2	2	1	1	0	0
675S Z	5	2	2	1	0	0	0
650S Z	4	3	1	0	0	0	0
625S Z	4	3	2	0	1	0	0
600S Z	4	3	1	1	0	0	0
575S Z	4	3	1	1	0	0	0
550S Z	4	2	3	1	1	0	-1
525S Z	5	3	1	1	1	0	-1
500S Z	6	3	2	0	0	0	0
475S Z	4	4	2	1	1	0	0
450S Z	6	5	4	2	0	1	1
425S Z	5	4	1	0	0	0	0
400S Z	5	4	1	2	0	0	0
375S Z	6	3	2	0	1	0	0
350S Z	8	3	2	0	1	1	-1
325S Z	3	3	1	0	-1	-2	-1
300S Z	7	3	3	2	1	0	0
275S Z	7	4	2	1	1	0	-1
250S Z	7	4	2	1	0	0	0
225S Z	7	6	2	2	1	0	0
200S Z	7	4	3	1	0	0	0
175S Z	8	6	3	2	2	1	0
150S Z	4	2	2	1	1	0	0
125S Z	8	5	4	2	1	0	0
100S Z	8	5	3	2	2	1	0
75S Z	8	4	3	1	1	0	0
50S Z	7	4	1	1	0	0	1
25S Z	9	6	3	2	1	1	0

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 17, 1993

Line : L8250W
Tx Loop : SW
File name : 8250S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
900S	X	5 A7	1512.0	90	512	PP	715	968	184	138	103	82	53	43	27	10	12	9	7	2	3
875S	X	5 A7	1512.0	90	512	PP	713	1106	162	119	95	38	62	28	9	21	15	6	0	5	2
850S	X	6 A7	1512.0	90	512	PP	711	1172	192	126	76	83	65	32	23	17	6	-1	4	5	1
825S	X	6 A7	1512.0	90	512	PP	709	1016	168	152	98	82	53	36	22	8	9	5	6	4	-1
800S	X	6 A7	1512.0	90	512	PP	707	870	191	156	71	80	50	33	26	11	11	9	6	-1	5
775S	X	6 A7	1512.0	90	512	PP	705	732	197	144	101	81	62	33	24	16	10	8	1	2	3
750S	X	5 A7	1512.0	90	512	PP	703	554	150	114	70	59	41	25	28	7	8	3	3	2	-1
725S	X	5 A7	1512.0	90	512	PP	701	516	144	141	88	70	52	41	24	16	6	6	1	1	0
700S	X	6 A7	1512.0	90	512	PP	699	414	160	109	81	56	50	33	25	11	3	8	2	3	3
675S	X	5 A7	1512.0	90	512	PP	697	317	125	85	81	35	47	22	10	9	9	0	3	4	-1
650S	X	6 A7	1512.0	90	512	PP	695	229	104	89	75	58	37	28	19	13	1	2	4	-2	1
625S	X	6 A7	1512.0	90	512	PP	693	186	144	84	73	26	57	35	24	21	8	3	5	-2	-1
600S	X	6 A7	1512.0	90	512	PP	691	60	134	96	70	63	38	32	16	11	9	1	5	0	3
575S	X	6 A7	1512.0	90	512	PP	689	93	108	96	76	57	29	34	26	11	8	7	3	6	3
550S	X	5 A7	1512.0	90	512	PP	687	-75	114	94	66	72	21	34	26	5	11	4	-1	4	1
525S	X	6 A7	1512.0	90	512	PP	685	-136	124	100	86	64	39	27	29	16	12	6	2	2	1
500S	X	6 A7	1512.0	90	512	PP	683	-266	83	83	75	53	46	22	20	16	2	10	0	3	2
475S	X	6 A7	1512.0	90	512	PP	828	-342	83	128	75	75	39	36	30	18	11	6	2	1	1
450S	X	6 A7	1512.0	90	512	PP	826	-479	117	100	90	58	59	37	34	26	10	1	12	0	1
425S	X	5 A7	1512.0	90	512	PP	824	-523	86	89	73	65	48	35	34	15	15	7	1	6	2
400S	X	6 A7	1512.0	90	512	PP	822	-567	91	70	99	71	70	31	29	28	22	7	9	2	2
375S	X	6 A7	1512.0	90	512	PP	820	-728	44	66	60	57	54	40	29	11	14	8	-1	8	4
350S	X	6 A7	1512.0	90	512	PP	818	-710	40	60	49	71	59	53	33	26	12	13	4	0	2
325S	X	6 A7	1512.0	90	512	PP	816	-860	12	50	68	66	53	51	36	23	17	14	-1	1	3
300S	X	6 A7	1512.0	90	512	PP	814	-1001	22	38	42	71	69	48	47	26	17	8	8	4	4
275S	X	6 A7	1512.0	90	512	PP	812	-1103	-32	51	51	43	60	31	47	26	15	4	3	2	2
250S	X	6 A7	1512.0	90	512	PP	810	-973	52	93	85	93	86	82	56	45	30	13	12	6	1
225S	X	6 A7	1512.0	90	512	PP	808	-1164	-5	16	43	83	78	62	54	39	15	10	9	5	1
200S	X	6 A7	1512.0	90	512	PP	806	-1253	-103	-10	45	55	66	73	53	38	31	14	8	4	1
175S	X	6 A7	1512.0	90	512	PP	804	-1549	-272	-145	-87	2	19	24	18	18	13	6	3	3	0
150S	X	6 A7	1512.0	90	512	PP	802	-1637	-274	-152	-58	-26	15	43	29	27	14	11	8	1	4
125S	X	6 A7	1512.0	90	512	PP	800	-1858	-429	-253	-154	-88	-32	-5	5	8	9	6	2	-1	-2
100S	X	6 A7	1512.0	90	512	PP	798	-2195	-514	-319	-193	-118	-52	-6	5	15	11	7	6	1	-2
75S	X	6 A7	1512.0	90	512	PP	796	-3050	-559	-419	-321	-223	-142	-96	-50	-27	-14	-8	-11	-8	-4
50S	X	5 A7	1512.0	90	512	PP	794	-3474	-720	-513	-394	-269	-175	-110	-75	-36	-22	-14	-10	-6	-2
25S	X	6 A7	1512.0	90	512	PP	792	-9902	-851	-704	-582	-447	-304	-212	-132	-78	-49	-27	-17	-7	-7
900S	Z	5 A7	1512.0	90	512	PP	714	7324	263	225	194	153	115	79	57	39	27	17	13	10	8
875S	Z	5 A7	1512.0	90	512	PP	712	6454	251	227	181	140	112	76	58	39	26	22	11	9	6
850S	Z	5 A7	1512.0	90	512	PP	710	5733	274	234	189	143	112	80	55	42	28	18	12	9	6
825S	Z	5 A7	1512.0	90	512	PP	708	5294	316	255	223	163	124	88	62	44	27	20	12	10	6
800S	Z	5 A7	1512.0	90	512	PP	706	4989	321	262	221	170	122	83	63	43	30	20	15	10	6
775S	Z	5 A7	1512.0	90	512	PP	704	4778	358	285	232	181	129	90	64	42	28	22	12	10	6
750S	Z	5 A7	1512.0	90	512	PP	702	4597	350	282	232	174	129	93	59	44	32	19	14	8	7
725S	Z	5 A7	1512.0	90	512	PP	700	4509	374	299	241	175	144	95	69	46	32	17	13	9	5
700S	Z	5 A7	1512.0	90	512	PP	698	4393	382	303	246	188	141	95	65	46	30	21	14	10	6
675S	Z	5 A7	1512.0	90	512	PP	696	4326	342	273	222	171	124	90	63	41	29	21	14	8	7
650S	Z	5 A7	1512.0	90	512	PP	694	4281	343	284	229	177	131	88	65	41	32	19	14	10	7
625S	Z	5 A7	1512.0	90	512	PP	692	4263	378	306	254	188	137	97	66	43	33	20	16	9	6
600S	Z	5 A7	1512.0	90	512	PP	690	4254	396	314	250	194	137	96	73	46	34	18	13	11	7
575S	Z	5 A7	1512.0	90	512	PP	688	4261	415	323	258	200	146	102	70	51	29	22	14	9	6
550S	Z	5 A7	1512.0	90	512	PP	686	4308	425	361	303	219	162	111	78	49	34	22	17	13	5
525S	Z	5 A7	1512.0	90	512	PP	684	4340	482	388	322	230	160	122	80	53	34	24	16	11	8
500S	Z	5 A7	1512.0	90	512	PP	682	4379	487	389	319	238	165	122	78	54	35	22	17	11	7
475S	Z	5 A7	1512.0	90	512	PP	827	5001	546	433	353	269	175	148	83	64	42	27	15	11	8
450S	Z	5 A7	1512.0	90	512	PP	825	5056	675	497	401	301	217	152	99	67	43	28	18	10	9
425S	Z	5 A7	1512.0	90	512	PP	823	5175	672	524	418	320	225	149	106	65	46	28	19	12	7
400S	Z	5 A7	1512.0	90	512	PP	821	5210	678	527	414	329	227	157	101	70	44	27	20	12	9
375S	Z	5 A7	1512.0	90	512	PP	819	5112	728	554	449	333	237	165	112	67	43	28	20	10	8
350S	Z	5 A7	1512.0	90	512	PP	817	5280	783	602	480	358	250	175	120	77	50	31	20	14	10
325S	Z	5 A7	1512.0	90	512	PP	815	5268	800	618	490	370	264	183	121	72	47	30	20	12	8
300S	Z	5 A7	1512.0	90	512	PP	813	6306	974	737	587	458	322	224	153	100	60	38	24	15	8
275S	Z	5 A7	1512.0	90	512	PP	811	6400	926	725	589	445	330	230	154	96	64	38	25	16	10
250S	Z	5 A7	1512.0	90	512	PP	809	6696	960	749	629	501	341	257	165	108	69	43	27	18	10
225S	Z	5 A7	1512.0	90	512	PP	807	6934	959	792	661	498	378	262	184	115	71	42	28	17	12
200S	Z	5 A7	1512.0	90	512	PP	805	7336	1139	912	746	584	428	306	207	132	85	47	27	18	12
175S	Z	7 A7	1512.0	90	512	PP	803	7839	1258	998	827	642	481	343	231	150	90	54	31	19	13
150S	Z	7 A7	1512.0	90	512	PP	801	4283	558	448	384	301	224	161	114	69	45	24	16	9	4
125S	Z	7 A7	1512.0	90	512	PP	799	9088	1331	1100	927	733	554	398	271	174	108	63	34	21	13
100S	Z	7 A7	1512.0	90	512	PP	797	11050	1394	1174	1025	820	628	464	317	205	124	69	41	24	15
75S	Z	7 A7	1512.0	90	512	PP	795	13800	1236	1130	1001	820	635	465	331	216	132	75	43	24	14
50S	Z	7 A7	1512.0	90	512	PP	793	19360	803	812	705	623	480	356	256	163	100	57	32	18	9
25S	Z	7 A7	1512.0	90	512	PP	791	44530	928	1102	1141	964	757	582	420	277	174	99	57	31	16

1

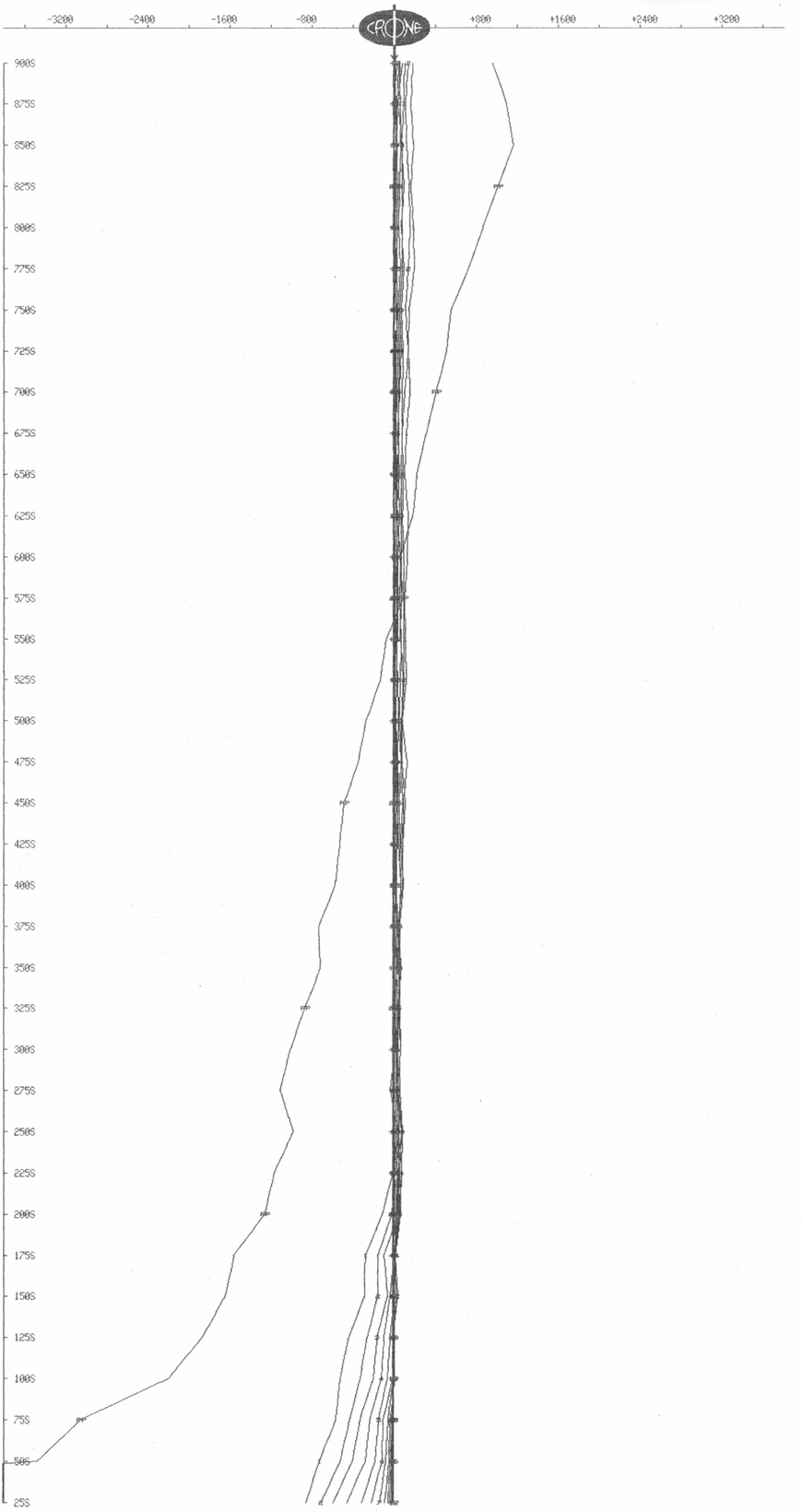
CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L8250W
Grid	: HORN	Tx Loop	: SW
Date	: Jul 17, 1993	File name	: 8250S.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 10, 1993

Line : L8250W
Tx Loop : NW
File name : 8250N.PEM

Data Scaled by Factor of 1.00

Station	Cmp	14	15	16	17	18	19	20
25N	X	18	7	5	2	0	-1	0
50N	X	18	10	7	1	1	2	0
75N	X	6	4	1	1	0	1	-1
100N	X	-39	-24	-11	-5	-1	0	-1
125N	X	-59	-31	-13	-6	-2	0	0
150N	X	1	3	-2	2	0	-2	0
175N	X	7	3	1	-1	0	-1	0
200N	X	6	5	2	2	0	-1	-1
225N	X	7	5	2	0	-1	1	1
250N	X	8	5	2	0	-1	0	-1
275N	X	4	3	1	1	1	0	0
300N	X	3	1	0	1	0	0	0
325N	X	3	4	3	0	0	0	-1
350N	X	5	2	0	0	0	-1	-1
375N	X	5	0	0	0	-2	0	0
400N	X	4	3	1	0	-1	-1	1
425N	X	7	2	3	1	0	0	-2
450N	X	-2	-2	-1	-3	-1	-1	-2
475N	X	4	1	0	-1	-1	-1	0
500N	X	2	0	0	2	-1	0	1
525N	X	-1	-2	0	-1	0	0	-1
550N	X	-1	-2	1	0	0	0	-1
575N	X	-2	-1	-2	1	0	0	-1
600N	X	-1	-1	-1	1	0	-1	0
625N	X	1	1	-1	0	1	0	0
850N	X	-10	-9	-6	-4	-2	-1	0
875N	X	-11	-8	-6	-3	-2	0	0
900N	X	-11	-7	-4	-5	-2	0	-1
925N	X	-7	-4	-4	-4	-1	0	0
950N	X	-11	-9	-5	-2	-1	0	-1
975N	X	-15	-10	-6	-5	-2	-2	0
25N	Z	23	15	7	4	3	1	1
50N	Z	41	25	13	6	2	1	0
75N	Z	76	42	23	10	4	2	0
100N	Z	68	36	17	8	3	1	0
125N	Z	-6	-2	-1	1	1	0	0
150N	Z	-12	-4	-1	2	0	0	0
175N	Z	-2	1	1	2	1	1	0
200N	Z	6	5	3	2	2	1	0
225N	Z	11	8	6	3	1	0	0
250N	Z	13	10	5	4	3	0	0
275N	Z	14	10	6	4	2	1	0
300N	Z	15	11	6	4	2	0	-1
325N	Z	19	11	8	5	2	0	0
350N	Z	18	13	8	4	2	1	0
375N	Z	17	13	6	5	3	1	0
400N	Z	18	14	10	3	4	1	-1
425N	Z	27	15	10	6	4	2	-1
450N	Z	47	36	25	17	14	10	6
475N	Z	23	15	10	5	3	1	1
500N	Z	24	16	11	6	3	2	0
525N	Z	21	17	9	4	3	1	0
550N	Z	23	17	10	6	2	2	0
575N	Z	25	18	10	6	2	1	0
600N	Z	26	17	11	6	4	1	1
625N	Z	25	18	11	7	4	1	1
850N	Z	27	18	10	6	3	1	0
875N	Z	26	17	11	6	2	1	1
900N	Z	25	16	9	5	2	0	1
925N	Z	25	15	9	6	2	1	0
950N	Z	23	15	9	5	2	1	1
975N	Z	21	13	8	4	2	1	1

CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 10, 1993

Line : L8250W
Tx Loop : NW
File name : 8250N.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
25N	X	5 A7	1507.5	90	512	PP	64	-6816	1120	701	620	451	350	265	195	150	119	78	58	40	27
50N	X	6 A7	1507.5	90	512	PP	61	-2921	1170	852	717	535	418	325	250	190	138	100	73	50	32
75N	X	6 A7	1507.5	90	512	PP	59	-2372	1101	843	696	529	403	315	235	160	115	73	44	26	13
100N	X	6 A7	1507.5	90	512	PP	57	-1755	855	513	302	96	-28	-129	-167	-191	-178	-153	-124	-97	-68
125N	X	5 A7	1507.5	90	512	PP	55	-1328	132	-385	-696	-866	-890	-832	-736	-595	-479	-360	-253	-175	-105
150N	X	6 A7	1507.5	90	512	PP	53	-1310	-578	-596	-487	-369	-287	-192	-125	-81	-44	-30	-20	-8	-7
175N	X	6 A7	1507.5	90	512	PP	51	-1318	-255	-182	-128	-84	-41	0	13	10	23	20	15	11	7
200N	X	6 A7	1507.5	90	512	PP	49	-1246	77	93	84	82	76	67	61	54	38	30	23	16	11
225N	X	7 A7	1507.5	90	512	PP	47	-1209	86	95	80	82	82	61	62	41	41	26	23	14	10
250N	X	7 A7	1507.5	90	512	PP	45	-1212	47	72	65	61	69	61	52	42	33	23	17	15	10
275N	X	7 A7	1507.5	90	512	PP	43	-1104	-15	8	21	41	50	46	43	36	25	20	15	10	6
300N	X	6 A7	1507.5	90	512	PP	41	-985	-83	-57	-24	20	30	34	37	28	28	16	15	8	7
325N	X	7 A7	1507.5	90	512	PP	39	-1008	-147	-86	-30	-4	23	39	26	25	25	17	11	8	8
350N	X	7 A7	1507.5	90	512	PP	37	-1046	-221	-146	-89	-17	-2	22	24	20	22	14	8	7	6
375N	X	6 A7	1507.5	90	512	PP	34	-857	-271	-163	-93	-38	-3	18	22	12	20	14	10	4	4
400N	X	5 A7	1507.5	90	512	PP	32	-837	-365	-225	-126	-48	-16	-3	29	21	19	16	4	9	7
425N	X	6 A7	1507.5	90	512	PP	98	-1006	-208	-109	-21	-1	28	39	27	36	25	20	12	7	8
450N	X	7 A7	1507.5	90	512	PP	100	-835	-380	-266	-165	-92	-48	-17	1	1	6	-1	-3	-1	-3
475N	X	6 A7	1507.5	90	512	PP	102	-889	-131	-94	-49	-20	12	3	18	9	15	8	2	5	2
500N	X	7 A7	1507.5	90	512	PP	104	-870	-216	-100	-59	-23	-1	-1	10	10	12	10	9	4	4
525N	X	7 A7	1507.5	90	512	PP	106	-753	-198	-108	-75	-30	-5	-4	1	5	5	6	5	1	0
550N	X	7 A7	1507.5	90	512	PP	108	-752	-186	-93	-80	-46	-23	-12	6	0	3	1	5	1	1
575N	X	6 A7	1507.5	90	512	PP	110	-185	-44	-29	-34	-9	4	-14	-3	-3	-1	3	-3	-1	0
600N	X	6 A7	1507.5	90	512	PP	112	-729	-247	-154	-109	-79	-43	-28	-20	-16	-4	-1	-4	-1	0
625N	X	7 A7	1507.5	90	512	PP	114	-811	-198	-143	-127	-90	-63	-43	-28	-21	-7	-5	0	-2	0
850N	X	6 A7	1507.5	90	512	PP	116	592	-427	-318	-238	-184	-135	-86	-67	-52	-39	-29	-23	-18	-13
875N	X	7 A7	1507.5	90	512	PP	118	973	-404	-258	-207	-156	-118	-86	-64	-44	-34	-29	-23	-21	-15
900N	X	6 A7	1507.5	90	512	PP	120	1013	-335	-241	-194	-156	-114	-91	-66	-44	-43	-33	-23	-19	-11
925N	X	7 A7	1507.5	90	512	PP	122	298	-442	-280	-252	-179	-132	-105	-81	-60	-46	-35	-25	-17	-12
950N	X	6 A7	1507.5	90	512	PP	124	1425	-379	-260	-242	-174	-122	-110	-74	-66	-53	-39	-28	-21	-16
975N	X	5 A7	1507.5	90	512	PP	126	5235	-387	-217	-221	-175	-124	-92	-75	-67	-54	-43	-29	-23	-17
25N	Z	7 A7	1507.5	90	512	PP	63	29240	-183	219	189	230	203	168	133	116	96	79	61	47	34
50N	Z	7 A7	1507.5	90	512	PP	60	12680	515	445	510	467	397	346	286	244	198	161	125	89	62
75N	Z	7 A7	1507.5	90	512	PP	58	8397	1033	1054	974	889	802	698	606	507	417	328	249	180	120
100N	Z	5 A7	1507.5	90	512	PP	56	7030	1851	1803	1628	1463	1263	1069	872	692	536	394	279	186	117
125N	Z	5 A7	1507.5	90	512	PP	54	6666	2623	1914	1400	907	567	313	151	58	3	-20	-26	-21	-14
150N	Z	5 A7	1507.5	90	512	PP	52	5573	479	75	-111	-223	-256	-244	-216	-176	-144	-104	-72	-48	-23
175N	Z	5 A7	1507.5	90	512	PP	50	5059	435	143	56	-68	-117	-119	-99	-81	-64	-49	-31	-14	-9
200N	Z	5 A7	1507.5	90	512	PP	48	4638	593	358	236	127	64	30	14	11	7	6	6	7	7
225N	Z	5 A7	1507.5	90	512	PP	46	4401	535	392	265	172	116	78	54	34	29	21	16	15	12
250N	Z	5 A7	1507.5	90	512	PP	44	4132	620	479	346	256	171	120	92	66	49	38	28	23	17
275N	Z	5 A7	1507.5	90	512	PP	42	3941	709	538	396	286	201	140	110	84	63	49	34	25	19
300N	Z	5 A7	1507.5	90	512	PP	40	3835	729	551	412	300	216	162	117	89	71	52	37	28	22
325N	Z	5 A7	1507.5	90	512	PP	38	3736	695	550	411	309	219	175	123	97	72	52	42	30	22
350N	Z	5 A7	1507.5	90	512	PP	36	3642	700	545	409	309	242	174	138	103	81	59	46	34	25
375N	Z	5 A7	1507.5	90	512	PP	33	3361	626	491	378	293	220	176	137	103	77	57	45	31	22
400N	Z	4 A7	1507.5	90	512	PP	31	3296	704	439	370	323	241	187	149	121	100	75	55	40	27
425N	Z	5 A7	1507.5	90	512	PP	97	3664	432	352	300	253	220	177	140	113	88	74	51	41	29
450N	Z	6 A7	1507.5	90	512	PP	99	1917	815	686	573	454	358	275	210	166	132	107	84	71	57
475N	Z	5 A7	1507.5	90	512	PP	101	3671	445	363	335	268	228	188	152	117	97	67	53	41	30
500N	Z	5 A7	1507.5	90	512	PP	103	3668	455	376	344	300	248	197	166	129	103	76	58	45	32
525N	Z	5 A7	1507.5	90	512	PP	105	3692	459	410	355	304	256	207	172	128	106	77	57	44	32
550N	Z	5 A7	1507.5	90	512	PP	107	3727	492	433	392	330	274	226	183	140	105	81	60	46	32
575N	Z	5 A7	1507.5	90	512	PP	109	3753	520	473	404	359	280	228	178	147	109	83	64	45	35
600N	Z	5 A7	1507.5	90	512	PP	111	3800	548	496	419	353	290	234	186	145	112	85	67	47	35
625N	Z	5 A7	1507.5	90	512	PP	113	3836	518	494	420	351	290	234	186	150	116	88	66	48	37
850N	Z	5 A7	1507.5	90	512	PP	115	5152	296	277	263	241	219	192	173	142	116	94	75	52	40
875N	Z	5 A7	1507.5	90	512	PP	117	5552	302	319	268	247	223	195	168	139	116	91	71	51	37
900N	Z	5 A7	1507.5	90	512	PP	119	6260	293	362	269	248	220	192	161	142	111	87	67	50	35
925N	Z	5 A7	1507.5	90	512	PP	121	7390	289	343	282	258	228	186	166	140	112	87	67	50	40
950N	Z	7 A7	1507.5	90	512	PP	123	9598	206	349	259	246	220	190	156	133	106	84	64	45	32
975N	Z	7 A7	1507.5	90	512	PP	125	19270	-20	286	241	256	211	192	152	128	105	80	63	43	33

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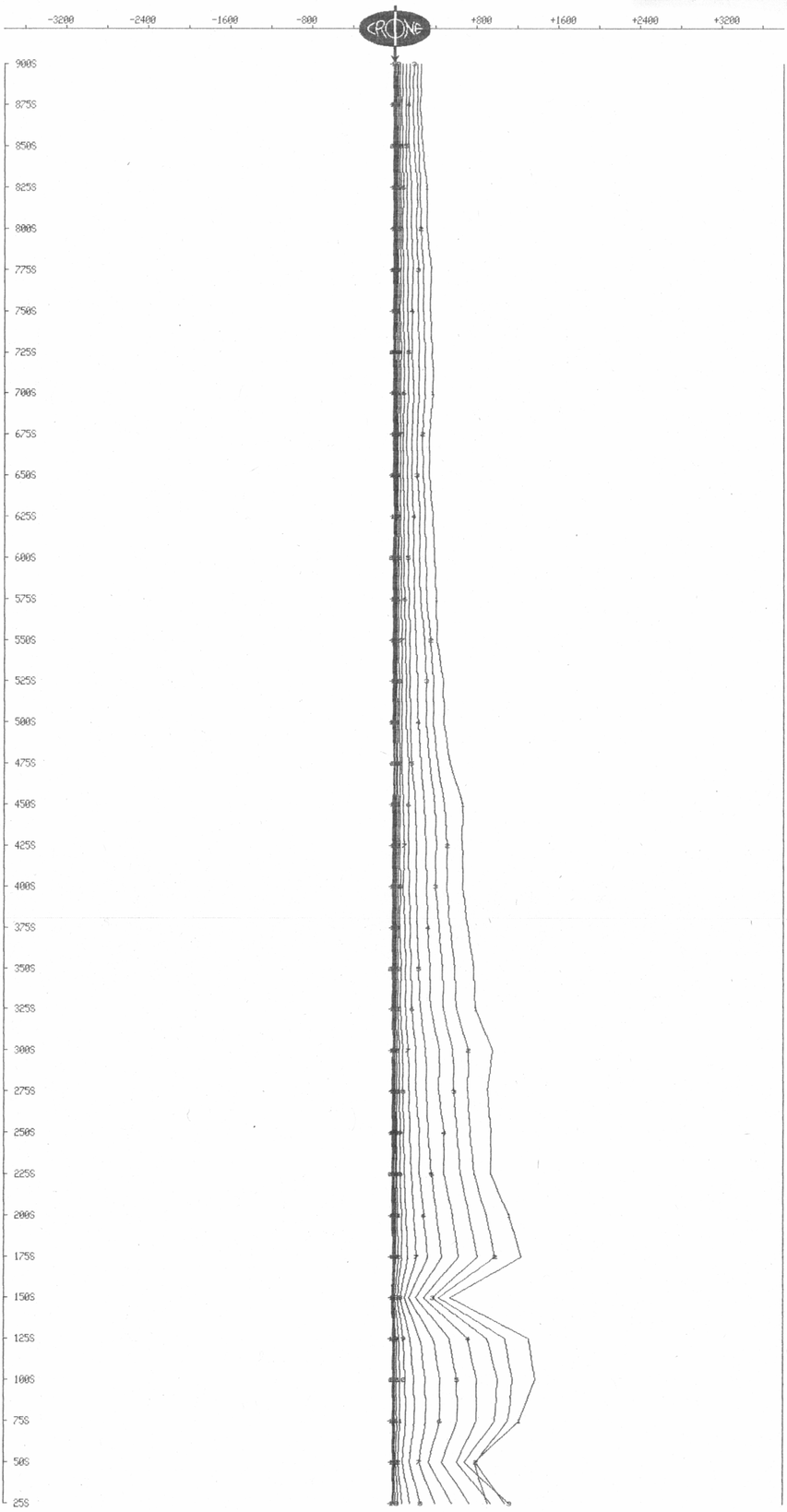
CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L8250W
Grid	: HORN	Tx Loop	: SW
Date	: Jul 17, 1993	File name	: 8250S.PEM

Data Scaled by Factor of 1.00
VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



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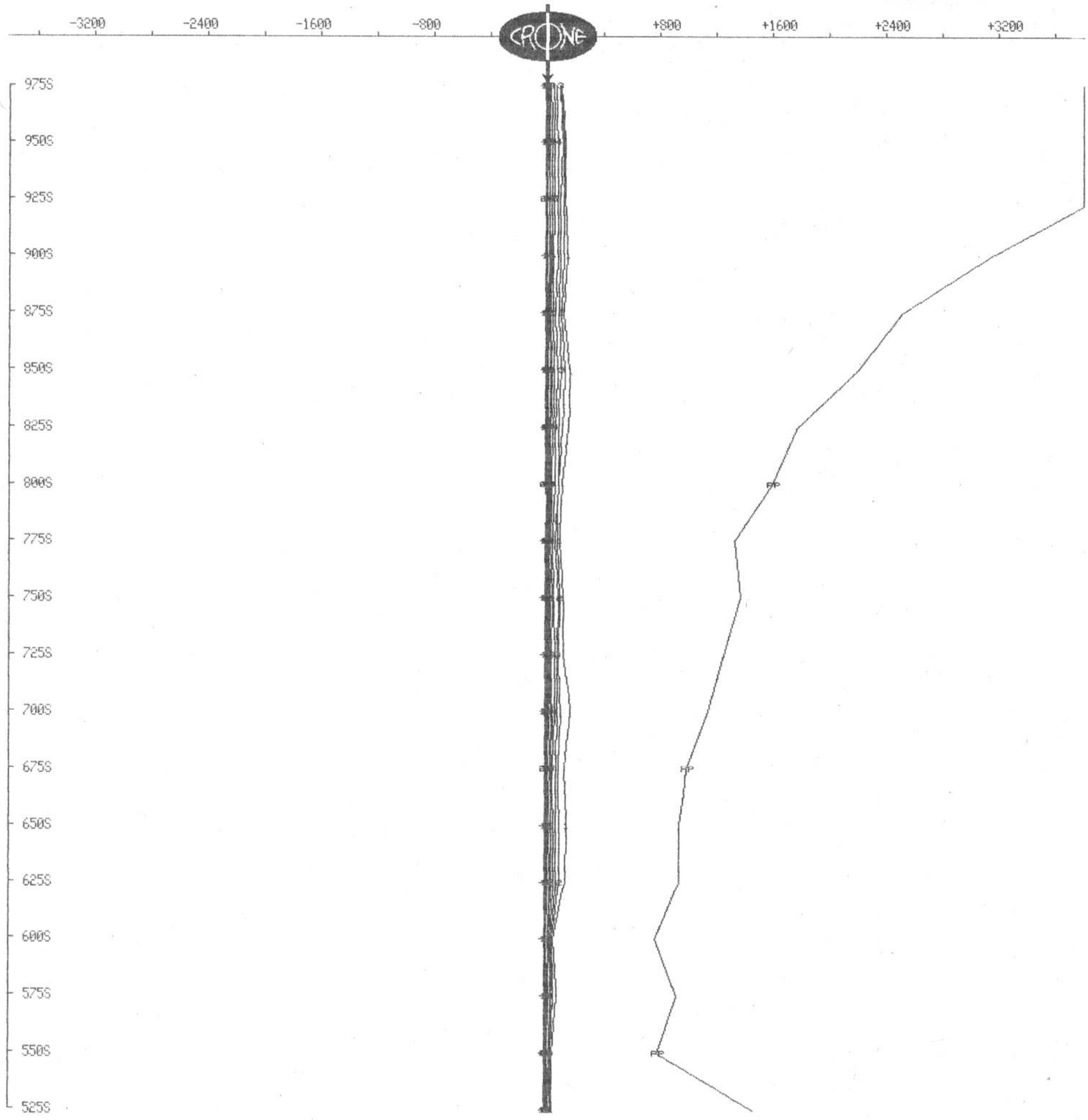
CRONE GEOPHYSICS & EXPLORATION LTDO
SURFACE PEM

Client	: METALL	Line	: L8500W
Grid	: HORN	Tx Loop	: SW
Date	: Jul 17, 1993	File name	: 8500S.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



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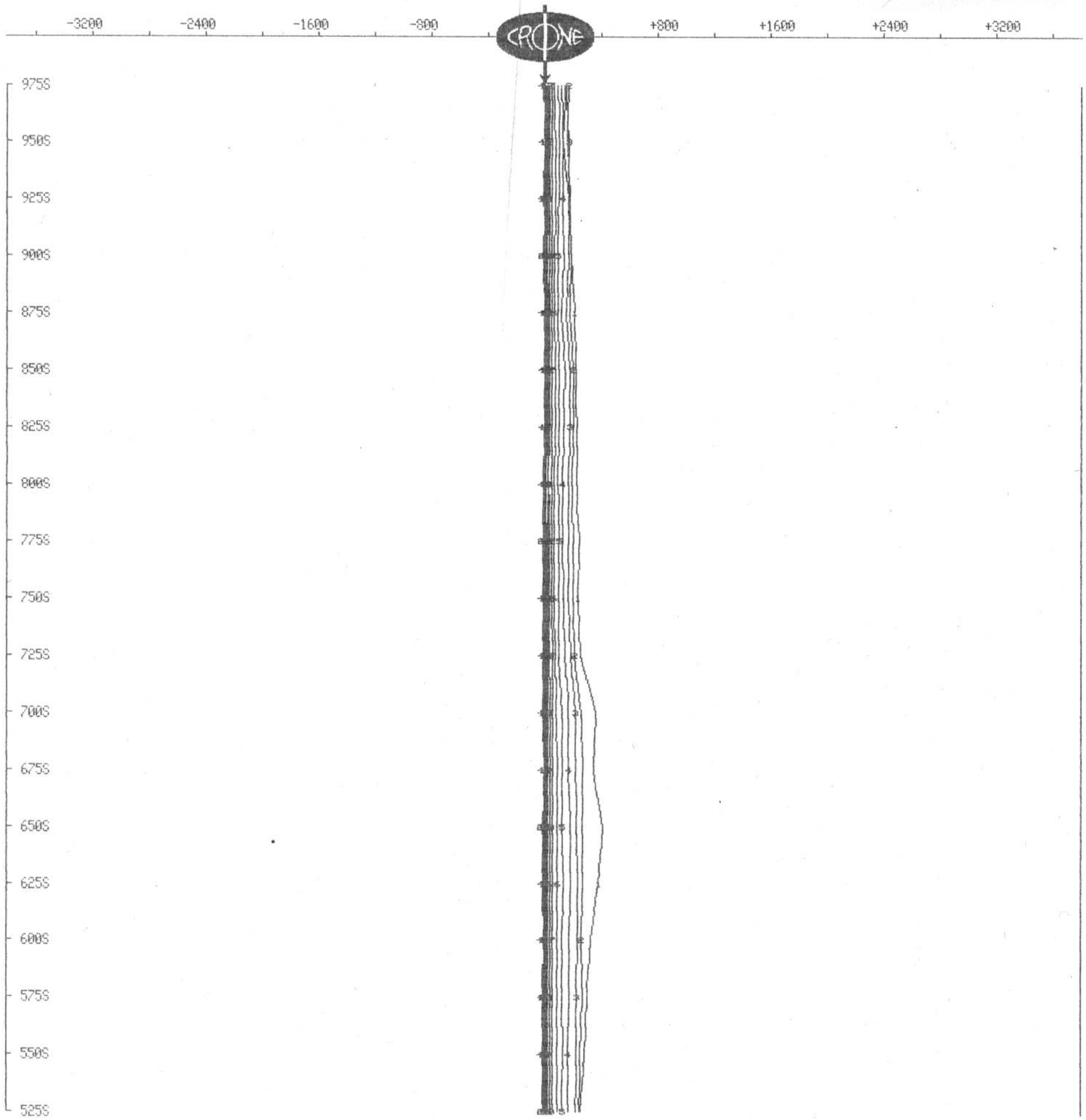
CRONE GEOPHYSICS & EXPLORATION LTDO
SURFACE PEM

Client	: METALL	Line	: L8500W
Grid	: HORN	Tx Loop	: SW
Date	: Jul 17, 1993	File name	: 8500S.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



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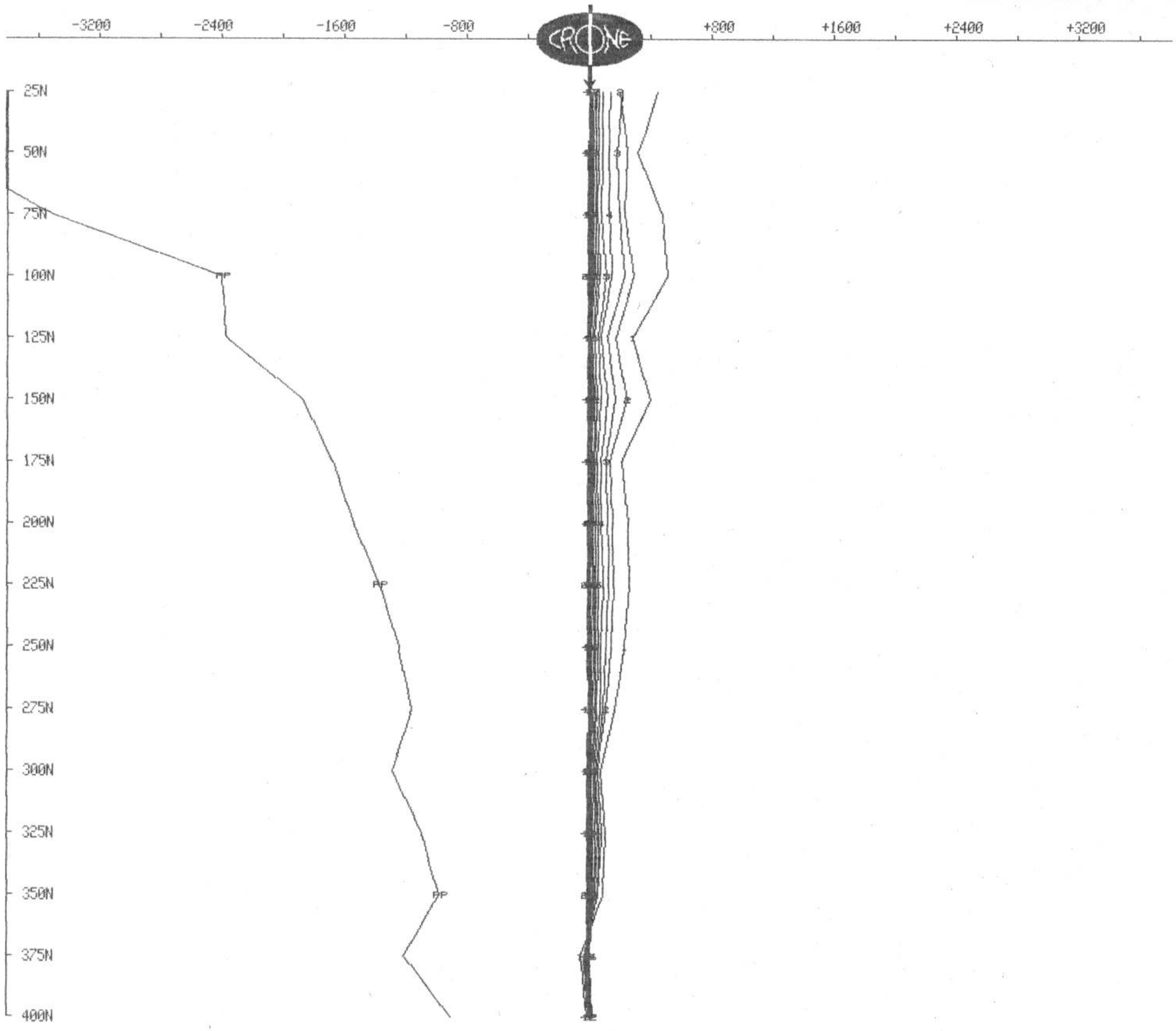
CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client	: METALL	Line	: L8500W
Grid	: HORN	Tx Loop	: NW
Date	: Jul 11, 1993	File name	: 8500N.PEM

Data Scaled by Factor of 1.00

IN-LINE HORIZONTAL COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



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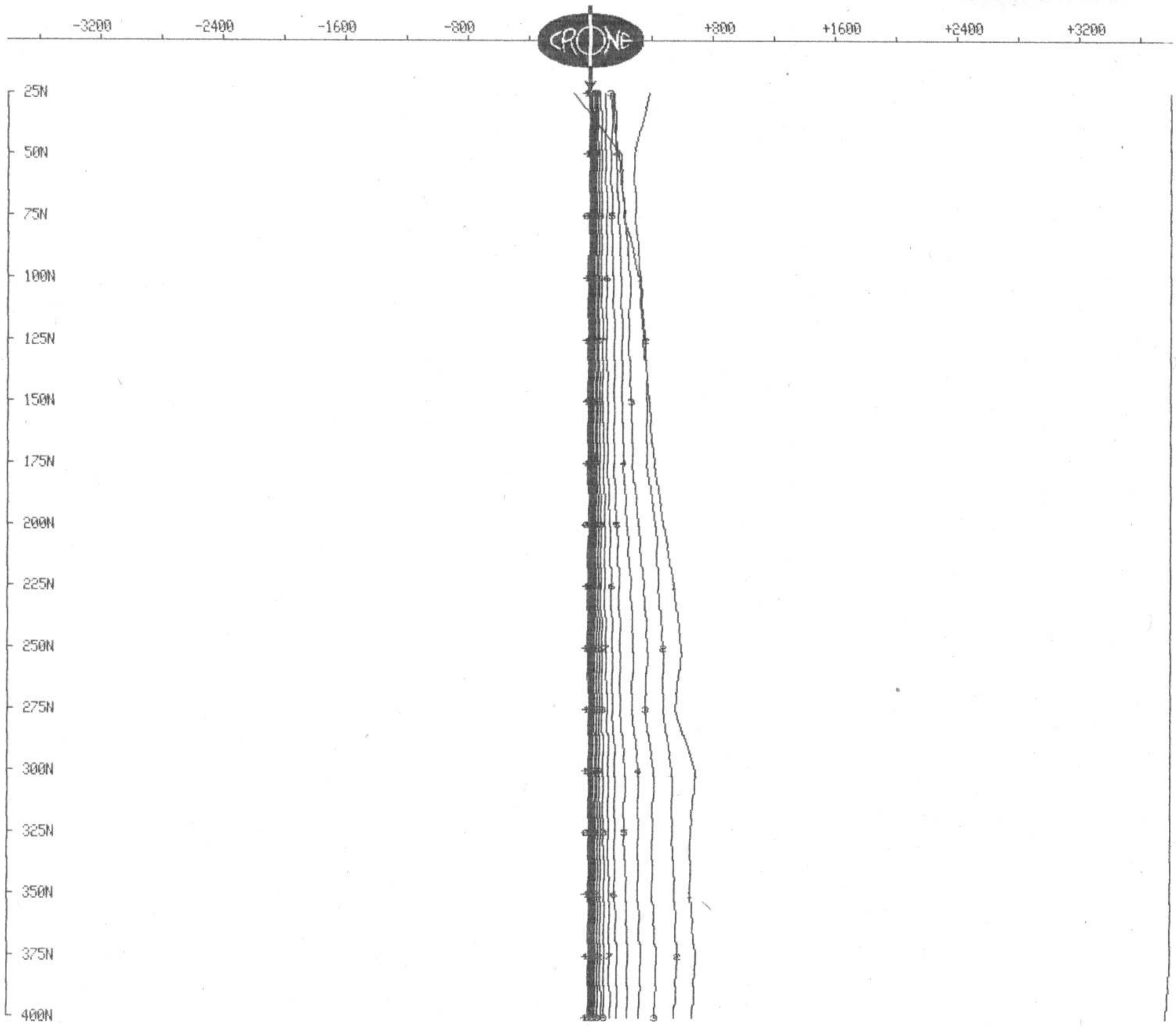
CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client	: METALL	Line	: L8500W
Grid	: HORN	Tx Loop	: NW
Date	: Jul 11, 1993	File name	: 8500N.PEM

Data Scaled by Factor of 1.00

VERTICAL COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500 Unit Scale: 1cm = 400 nT/s



CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : **METALL** Line : **L8500W**
Grid : **HORN** Tx Loop : **NW**
Date : Jul 11, 1993 File name : 8500N.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
25N	X	7 A7	1507.5	90	512	PP	66	-9752	449	203	220	140	90	67	46	36	24	18	14	11	7
50N	X	5 A7	1507.5	90	512	PP	68	-4255	322	253	180	129	90	66	48	30	20	17	12	11	5
75N	X	6 A7	1507.5	90	512	PP	70	-3507	478	234	203	130	77	57	43	27	22	14	9	7	6
100N	X	6 A7	1507.5	90	512	PP	72	-2395	516	296	235	152	111	71	51	37	27	19	12	9	8
125N	X	6 A7	1507.5	90	512	PP	74	-2369	289	176	124	81	60	40	25	16	15	12	6	5	4
150N	X	6 A7	1507.5	90	512	PP	76	-1867	403	249	176	125	84	51	41	27	25	13	12	9	7
175N	X	7 A7	1507.5	90	512	PP	78	-1675	219	140	113	80	57	41	32	18	17	13	11	8	5
200N	X	7 A7	1507.5	90	512	PP	80	-1536	261	154	125	84	62	43	32	25	18	15	11	8	7
225N	X	7 A7	1507.5	90	512	PP	82	-1369	267	163	135	99	61	45	36	31	17	14	10	9	8
250N	X	7 A7	1507.5	90	512	PP	84	-1242	233	148	118	84	63	44	34	22	21	13	10	7	5
275N	X	7 A7	1507.5	90	512	PP	86	-1154	178	118	96	77	54	48	32	25	17	15	12	8	7
300N	X	7 A7	1507.5	90	512	PP	88	-1283	81	63	50	40	34	24	21	20	14	12	8	6	4
325N	X	7 A7	1507.5	90	512	PP	90	-1088	117	87	71	60	46	31	28	23	17	11	10	7	6
350N	X	7 A7	1507.5	90	512	PP	92	-977	100	67	66	49	42	32	32	19	18	11	9	7	6
375N	X	7 A7	1507.5	90	512	PP	94	-1204	-46	-25	-18	-6	6	10	11	8	8	5	6	4	6
400N	X	7 A7	1507.5	90	512	PP	96	-898	-8	0	12	16	28	27	22	17	18	11	7	8	4
25N	Z	7 A7	1507.5	90	512	PP	65	32490	-101	395	136	170	159	103	74	58	46	35	25	19	15
50N	Z	7 A7	1507.5	90	512	PP	67	12640	206	291	191	172	140	102	79	60	47	36	28	21	17
75N	Z	7 A7	1507.5	90	512	PP	69	9336	227	305	230	195	148	116	83	63	50	37	30	22	17
100N	Z	5 A7	1507.5	90	512	PP	71	7218	330	338	264	213	161	114	85	65	53	39	29	23	17
125N	Z	5 A7	1507.5	90	512	PP	73	6319	350	366	261	216	162	118	88	68	53	42	31	23	17
150N	Z	5 A7	1507.5	90	512	PP	75	5523	395	380	279	219	164	120	92	72	52	45	32	25	21
175N	Z	5 A7	1507.5	90	512	PP	77	5098	427	380	287	225	164	127	97	76	58	46	34	26	21
200N	Z	5 A7	1507.5	90	512	PP	79	4792	492	441	325	251	182	141	103	78	61	48	35	29	21
225N	Z	5 A7	1507.5	90	512	PP	81	4580	558	459	361	275	200	149	108	83	66	49	38	30	22
250N	Z	5 A7	1507.5	90	512	PP	83	4325	607	486	387	291	213	157	117	87	71	52	41	30	23
275N	Z	5 A7	1507.5	90	512	PP	85	4154	568	489	367	287	208	158	121	94	73	56	41	32	24
300N	Z	5 A7	1507.5	90	512	PP	87	4020	705	546	431	327	241	176	132	100	76	58	44	33	25
325N	Z	5 A7	1507.5	90	512	PP	89	3948	668	550	424	326	236	174	131	100	80	61	45	34	27
350N	Z	5 A7	1507.5	90	512	PP	91	3871	672	565	425	330	251	177	141	106	81	62	47	36	28
375N	Z	5 A7	1507.5	90	512	PP	93	3811	705	584	448	343	257	192	141	107	84	64	49	40	29
400N	Z	5 A7	1507.5	90	512	PP	95	3783	685	566	441	338	260	189	148	109	86	66	50	40	30

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 11, 1993

Line : L8500W
Tx Loop : NW
File name : 8500N.PEM

Data Scaled by Factor of 1.00

Station	Cmp	14	15	16	17	18	19	20
25N	X	5	4	2	2	0	1	0
50N	X	6	4	2	1	0	0	0
75N	X	6	2	1	0	1	-1	0
100N	X	5	6	3	2	1	0	0
125N	X	5	5	2	1	0	0	0
150N	X	5	4	2	0	1	-1	0
175N	X	6	3	2	2	0	0	0
200N	X	4	4	2	1	1	0	0
225N	X	4	4	2	1	0	1	0
250N	X	6	4	3	1	1	0	0
275N	X	4	3	3	1	0	0	0
300N	X	4	3	0	1	-1	-1	0
325N	X	3	3	2	1	1	1	0
350N	X	6	3	2	1	1	0	0
375N	X	4	4	2	0	1	0	0
400N	X	5	1	2	1	0	0	0
25N	Z	9	7	4	3	2	1	1
50N	Z	11	9	6	3	1	1	1
75N	Z	13	9	6	3	2	1	0
100N	Z	13	9	6	4	2	1	0
125N	Z	13	10	5	3	2	1	0
150N	Z	14	10	6	4	2	1	0
175N	Z	14	10	7	3	3	1	0
200N	Z	15	11	8	4	3	1	0
225N	Z	17	10	7	5	2	1	0
250N	Z	18	13	8	5	3	1	0
275N	Z	18	13	8	5	3	1	0
300N	Z	20	13	8	5	2	1	0
325N	Z	20	14	9	6	3	1	0
350N	Z	20	15	10	5	2	1	1
375N	Z	22	15	11	6	3	2	0
400N	Z	22	14	11	6	3	2	1

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CRONE GEOPHYSICS & EXPLORATION LTD0
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 17, 1993

Line : L8500W
Tx Loop : SW
File name : 8500S.PEM

Data Scaled by Factor of 1.00

Station	Cmp	Gains	ZTS	Delay	Stack	Ovld	Rdg#	PP	1	2	3	4	5	6	7	8	9	10	11	12	13
975S	X	7 A7	1512.0	90	512	PP	754	9728	109	98	101	71	60	34	25	15	7	5	4	3	1
950S	X	5 A7	1512.0	90	512	PP	752	5958	128	122	113	78	56	40	25	16	13	10	6	3	2
925S	X	5 A7	1512.0	90	512	PP	750	3895	135	125	102	82	54	39	23	20	8	8	4	5	2
900S	X	6 A7	1512.0	90	512	PP	748	3152	146	125	101	81	51	37	26	18	8	5	5	2	1
875S	X	6 A7	1512.0	90	512	PP	746	2524	122	106	86	62	48	31	23	16	12	4	5	2	3
850S	X	6 A7	1512.0	90	512	PP	744	2208	168	136	103	83	55	42	28	14	12	7	5	4	2
825S	X	7 A7	1512.0	90	512	PP	742	1782	159	115	89	65	51	33	25	12	11	4	3	2	2
800S	X	7 A7	1512.0	90	512	PP	740	1603	114	86	94	61	42	30	20	14	7	5	6	3	4
775S	X	7 A7	1512.0	90	512	PP	738	1342	96	80	67	47	32	24	19	10	9	2	2	3	2
750S	X	7 A7	1512.0	90	512	PP	736	1384	121	100	91	53	43	29	17	12	11	5	4	2	2
725S	X	7 A7	1512.0	90	512	PP	734	1268	120	93	79	64	35	31	20	12	11	6	2	2	2
700S	X	7 A7	1512.0	90	512	PP	732	1151	177	103	85	65	43	34	18	11	6	4	2	3	-2
675S	X	7 A7	1512.0	90	512	PP	729	1003	130	87	68	47	34	27	17	9	7	3	3	1	2
650S	X	7 A7	1512.0	90	512	PP	727	951	149	95	77	56	40	23	19	11	9	6	3	2	2
625S	X	7 A7	1512.0	90	512	PP	725	947	136	94	76	58	37	27	16	8	5	5	2	1	0
600S	X	7 A7	1512.0	90	512	PP	723	778	56	46	35	30	19	19	8	5	8	2	3	2	1
575S	X	7 A7	1512.0	90	512	PP	721	930	81	56	54	42	25	24	11	14	4	4	1	1	1
550S	X	7 A7	1512.0	90	512	PP	719	793	49	37	33	27	27	14	9	5	5	1	4	3	-2
525S	X	7 A7	1512.0	90	512	PP	717	1476	44	37	25	25	17	9	10	6	4	2	3	0	2
975S	Z	7 A7	1512.0	90	512	PP	753	15840	161	173	146	122	101	71	53	36	27	19	12	9	7
950S	Z	7 A7	1512.0	90	512	PP	751	11040	133	168	176	134	104	80	53	38	29	19	14	10	6
925S	Z	7 A7	1512.0	90	512	PP	749	8248	176	185	178	134	104	78	54	37	27	18	11	8	6
900S	Z	5 A7	1512.0	90	512	PP	747	7152	193	191	172	139	99	76	55	39	24	16	12	7	6
875S	Z	5 A7	1512.0	90	512	PP	745	6390	214	183	158	125	100	69	52	39	27	18	11	9	6
850S	Z	5 A7	1512.0	90	512	PP	743	5920	224	208	181	147	107	82	56	38	28	17	12	9	7
825S	Z	5 A7	1512.0	90	512	PP	741	5576	231	211	185	143	108	83	58	41	26	18	11	9	6
800S	Z	5 A7	1512.0	90	512	PP	739	5262	231	198	172	133	101	72	58	33	28	16	11	9	6
775S	Z	5 A7	1512.0	90	512	PP	737	5129	248	204	176	134	107	75	56	38	27	19	13	9	9
750S	Z	5 A7	1512.0	90	512	PP	735	5061	245	210	172	139	108	76	56	38	26	18	12	9	6
725S	Z	5 A7	1512.0	90	512	PP	733	5030	255	214	189	150	110	80	60	39	28	19	14	9	5
700S	Z	5 A7	1512.0	90	512	PP	730	5111	372	267	226	177	131	93	64	46	28	19	14	9	6
675S	Z	5 A7	1512.0	90	512	PP	728	5215	356	278	227	178	130	94	65	44	31	20	13	10	7
650S	Z	5 A7	1512.0	90	512	PP	726	5351	418	281	236	190	135	97	68	44	30	21	12	10	6
625S	Z	5 A7	1512.0	90	512	PP	724	5604	388	281	245	188	138	98	64	47	31	18	13	11	5
600S	Z	5 A7	1512.0	90	512	PP	722	6117	338	271	241	186	134	98	66	44	33	19	13	9	5
575S	Z	5 A7	1512.0	90	512	PP	720	6790	307	274	231	183	130	98	65	46	30	21	15	8	6
550S	Z	7 A7	1512.0	90	512	PP	718	8653	290	263	236	178	137	95	66	46	30	20	14	10	6
525S	Z	7 A7	1512.0	90	512	PP	716	14950	259	254	229	173	134	99	65	45	31	24	14	9	7

CRONE GEOPHYSICS & EXPLORATION LTD
SURFACE PEM

Client : METALL
Grid : HORN
Date : Jul 17, 1993

Line : L8500W
Tx Loop : SW
File name : 8500S.PEM

Data Scaled by Factor of 1.00

Station Cmp	14	15	16	17	18	19	20
975S X	3	0	0	0	0	0	0
950S X	1	0	0	-1	0	-1	0
925S X	2	1	1	0	0	0	-1
900S X	0	1	0	0	0	0	0
875S X	1	-1	0	0	0	0	0
850S X	1	1	0	1	-1	0	0
825S X	0	0	1	0	0	0	0
800S X	2	1	0	1	0	0	0
775S X	1	0	0	0	0	1	0
750S X	0	0	0	0	1	0	0
725S X	1	1	1	0	1	0	-1
700S X	1	1	1	0	0	0	1
675S X	1	0	0	0	0	0	0
650S X	2	0	1	1	0	0	0
625S X	1	0	1	1	0	0	0
600S X	1	0	0	0	0	0	0
575S X	1	2	1	0	0	1	0
550S X	1	-1	1	0	0	1	0
525S X	1	1	-1	1	-1	0	1
975S Z	4	3	2	1	1	0	0
950S Z	4	3	2	1	1	0	0
925S Z	4	4	1	1	0	0	1
900S Z	4	3	3	0	1	0	0
875S Z	4	3	2	1	0	0	0
850S Z	4	3	2	1	1	0	0
825S Z	4	2	2	1	0	1	1
800S Z	4	3	1	0	1	0	0
775S Z	4	3	1	1	-1	0	0
750S Z	5	4	2	2	0	0	0
725S Z	4	3	2	2	1	1	-1
700S Z	6	4	2	2	1	1	0
675S Z	4	3	1	0	0	0	0
650S Z	5	3	2	1	1	0	0
625S Z	4	2	2	1	1	1	-1
600S Z	3	3	2	1	1	0	0
575S Z	5	3	2	0	0	0	0
550S Z	5	2	2	0	1	1	0
525S Z	5	4	3	1	1	0	0