MAP NO.: 105 G 5/6

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093084
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: GEOPHYSICAL SURVEY

REPORT FILED UNDER: COMINCO LIMITED

DATE PERFORMED: JULY 20 - AUG 3, 1992

DATE FILED: APRIL 7, 1993

LOCATION: **LAT.:** 61°20'N

LONG.: 131°31'W

AREA: McNeill River, Pelly mtns

VALUE $: 7,200

CLAIM NAME & NO.: Wolf 1-18 (YB16894-YB16911)

WORK DONE BY: R.W. Halroyd; Cominco Ltd

WORK DONE FOR: COMINCO LIMITED

DATE TO GOOD STANDING:	

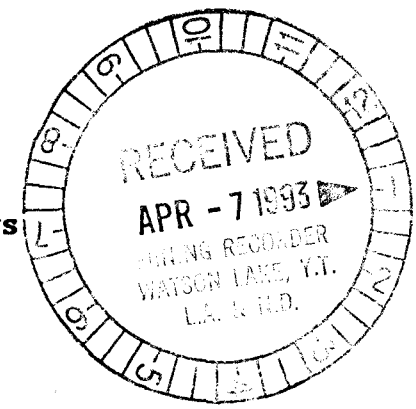
REMARKS: UTEM AND MAGNETICS SURVEYS COMPLETED OVER WOLF CLAMS BUT RESULTS WERE DISAPPOINTING.

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G-5,6



1992 REPORT ON GEOPHYSICAL SURVEYS

WOLF PROPERTY

WATSON LAKE M.D., YUKON

McNEIL RIVER AREA, PELLY MOUNTAINS

LATITUDE: 61°20'N
LONGITUDE: 131°30'W

WORK PERIOD

JULY 20 - AUG. 3, 1992

JANUARY 1993

R.W. HOLROYD

093084

This report has been examined by the Geological Evaluation Unit under Section 53 (3) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 7,200.

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

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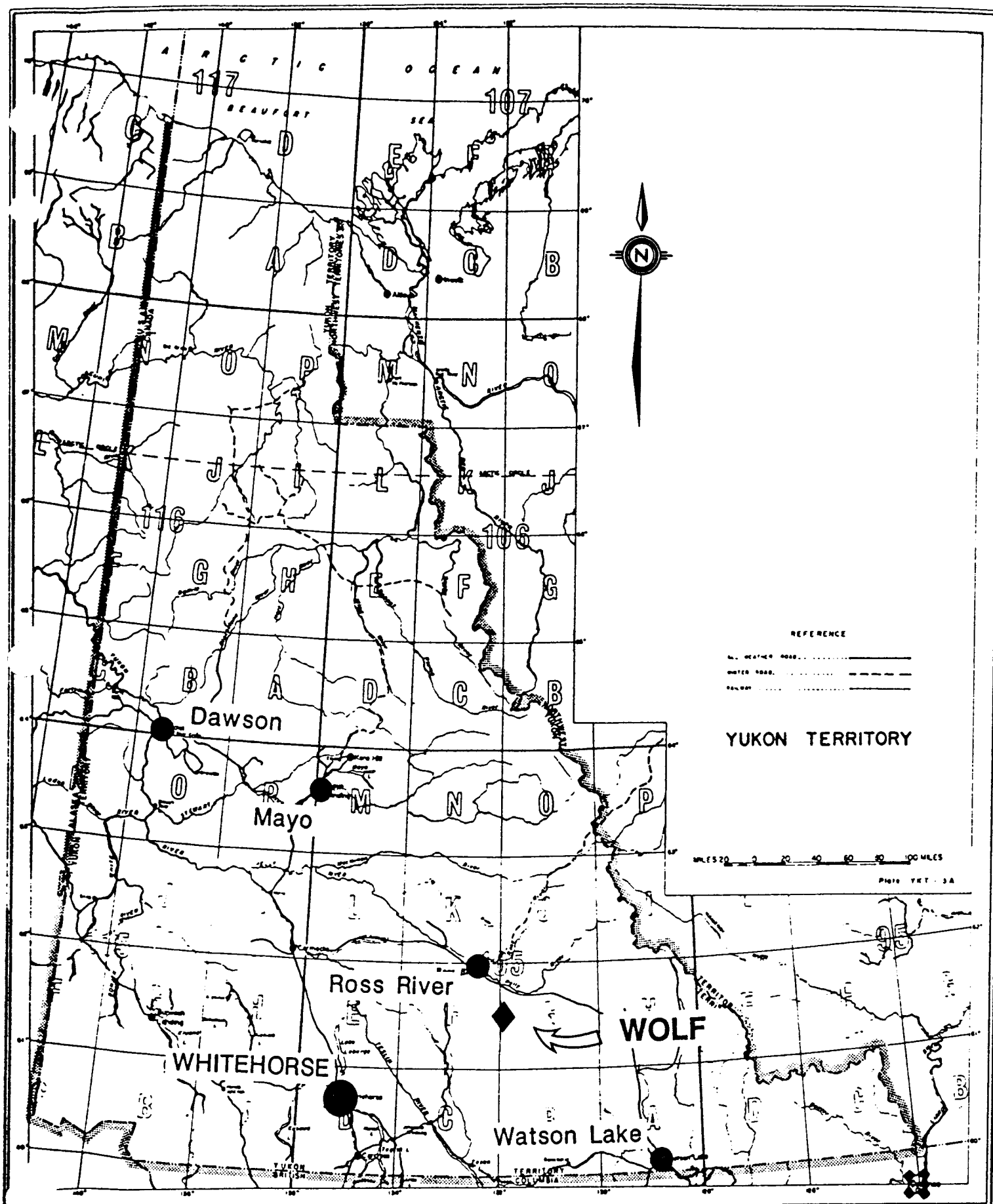

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LOCATION MAP

Plate: 812-07-1

COMINCO LTD.

EXPLORATION
NTS: 105G-5,6

WESTERN CANADA
JANUARY, 1993

1992 REPORT ON GEOPHYSICAL SURVEYS

WOLF PROPERTY, YUKON TERRITORY

1. SUMMARY

The WOLF property is located south of the Hoole River and east of McNeil Lake 90 km SE of Ross River, Yukon.

Devono-Mississippian volcanics form a 130 x 5 km arcuate belt of intermediate and felsic, fine to coarse tuff and minor massive flows with intercalated tuffaceous mudstone and black shale in the Pelly Mountains. These volcanics host numerous VMS showings, the most significant being the MM located 60 km west of the WOLF claims. The WOLF property covers a 1 x 4 km portion of this belt.

A 1992 program of ground UTEM and Magnetics and minor geological mapping was completed on the claims in order to evaluate the massive sulphide potential of the claims. A moderate conductivity UTEM anomaly was found to be associated with the geochemically anomalous stratigraphy that was the target of earlier trenching, in the west-central portion of the grid. Only a short 300-400 m strike-length portion of the horizon has any potential for massive sulphides. Other long conductive trends were also outlined, one extending across the northern limit of the grid, and appears to be related to a conductive mudstone unit, and another traced across the southern grid area, and correlates with a major thrust fault.

No conductors with potential for a significant massive sulphide deposit were outlined in the 1992 program. It is recommended that no further work be done on the WOLF claims.

2. INTRODUCTION

The WOLF property is located south of the Hoole River and east of McNeil Lake, 90 km SE of Ross River, Yukon. A helicopter based in Ross River shuttled personnel from the Fin camp on the Robert Campbell Highway approximately 60 km to the NE.

The claim group covers a semi-mountainous zone on the northern edge of the Pelly Mountains, elevations in the grid area ranging from 1500 m to over 1900 m in moderate to steep terrain. Most of the grid area is alpine.

3. PREVIOUS WORK

In 1976 the Joe Zn-Pb-Ba VMS showings on Mt. Vermillion were discovered and staked by Newmont (JOE property). Soil geochem surveys in 1977-8 outlined an open ended 1500 x 400m Pb-Zn anomaly (up to 3120 ppm Pb). Trenching and mapping exposed pyrite, sphalerite and galena occurring as disseminations and stratiform layers within bedded barite associated with silicified and pyritized felsic tuffs. Trench chip samples included 4.2% Zn, 0.65% Pb and 0.38 oz/t Ag over 1.5m. In 1978 3 diamond drill holes tested the western part of the claims, one of which intersected 1.4 m of 5.6% Zn and 0.80 oz/t Ag.

Recce soil/rock geochemistry and mapping conducted by Amax in 1982 traced anomalous Pb-Zn values along a package of altered felsic tuffs over a strike length of over 7 km.

In 1990, Archer Cathro and Assoc. Ltd. restaked the original Joe ground (WOLF claims, 10 units), probably recognizing similarities of age and geological setting to the MM deposit and their own MARG deposit near Mayo. In 1990 a contour soil geochemistry survey and minor recce geological mapping was carried out by Cominco over the length of the surrounding FOX property, and in 1991, Cominco optioned the WOLF and adjacent LYNX claims to the east, and performed a contour and grid soil geochemistry survey and detailed geological mapping over the Mt. Vermillion area.

4. GEOLOGY

REGIONAL

The Pelly Mountains, southwest of the Tintina Fault, are underlain predominantly by early to middle Paleozoic clastic and volcanic rocks deposited near the western edge of the Selwyn Basin and Kechika Trough. The area centres on the Silurian to Devonian Pelly-Cassiar Platform, a peninsular area of shallow water carbonate sedimentation (outboard of the main MacKenzie Platform) which developed unconformably above a thick accumulation of Cambrian to Ordovician volcanic and clastic rocks. Carbonates of this platform change laterally to basinal shale facies to both the northeast and southwest. Late Devonian to Mississippian rifting and subsidence of the carbonate shelf and basin resulted in the deposition of shale, siliceous greywacke, chert pebble conglomerate and locally developed centres of intermediate to felsic volcaniclastic volcanism. Overlying Carboniferous to Lower Triassic clastic sedimentation reflects a return to stable marine shelf conditions. (Gordey, 1981).

PROPERTY

Devono-Mississippian volcanics form a 130 x 5 km arcuate belt of intermediate and felsic, fine to coarse tuff and minor massive flows with intercalated tuffaceous mudstone and black shale in the Pelly Mountains. These volcanics host numerous VMS showings, the most significant being the MM located 60 km west of the WOLF claims. The WOLF property covers a 1 x 4 km portion of this belt. The property geology is well documented in the "1991 Year End Report on the Fox-Wolf-Lynx Claims" by P.A. MacRobbie, and, other than outlining the main targets as indicated in that report, will not be repeated here. A description of the property geology is provided in the legend on the Geology and UTEM Interpretation Map (Plate 812-07-4).

The WOLF and MM stratigraphy are very similar. At the MM an episode of felsic volcanism (fine to coarse tuffs and flows) with associated mineralization occurred midway through a more intermediate volcanic sequence (Morin, 1977; Mortensen, 1982). The position and lithologies of the MM felsics are identical to Unit 6 on the WOLF property. The MM hangingwall pelitic schists, graphitic schists and andesite can be correlated with the hanging wall package (Units 7-10) of intermediate tuff and flows grading laterally into tuffaceous mudstone and shale.

A fine to coarse-grained (locally pegmatitic) diorite/syenite plug is found in the southeastern portion of the WOLF claims. Similar intrusives are found along the entire length of the volcanic belt and are thought to be subvolcanic equivalents of some of the extrusive units.

The Devono-Mississippian succession strikes NW and dips moderately to steeply SW in the Mt. Vermillion area. The strata appears continuous along strike, though minor N-NE trending cross faults appear to locally offset the stratigraphy.

MINERALIZATION

At Mt. Vermillion, which is situated along the western margin of the survey area, 2 significant styles of synvolcanic Zn-Pb±Ba mineralization are present at at least 2 stratigraphic positions:

1. Discontinuous bedded barite is thought to occur at or near the top of the felsic tuff and flow unit (Unit 6). This barite is host to stratiform py-sp-ga occurring as fine wispy disseminations. Float has assayed up to 4.7% Zn, 1.8% Pb, 41.1 g/t Ag and 2.4% Zn, 1.1% Pb, 25.8 g/t Ag. Baritic float with weak, stratiform py±sp mineralization is found over a 5.5 km strike length and can be traced geochemically over the entire length of the claim group.

2. Three "horizons" (0.10-3.0 m thick, over a 22 m stratigraphic interval) of stratabound, massive and brecciated po-py-sp-cpy±ga (30-70%) sulphide rock within altered felsic flows and tuffs (unit 8) are found stratigraphically above the felsic unit, on the northeast slope of Mt. Vermillion. Grab samples of 2.8-10.9% Zn and tr-0.2% Pb and Cu were taken from this area.

Epigenetic Zn-Pb-Fe veining and/or replacement mineralization is economically insignificant, but is notably abundant in the Mt. Vermillion area.

The baritic and py-po-rich sulphide showings at Mt. Vermillion are very similar to showings at the MM property. The MM baritic sulphide rock (best intersection : 2.7 m of 13.5% Zn, 8.0% Pb, 1.3% Cu and 3.6 opt Ag) occurs as discontinuous lenses proximal to felsic flows near the upper contact of the felsic tuff and flow unit. Similarly, numerous, discontinuous py-po±sp-rich lenses are also found in the hanging wall units at the MM. Zn grades of these py-po-rich sulphides are up to 9.7% (over 2.1 m) while both Pb and Cu values are generally <1.0%.

5. GEOPHYSICS

During the period July 20 to August 3, 1992, Cominco personnel conducted geophysical surveys over the WOLF claims. Those involved in the survey were R.W. Holroyd, Cominco geophysicist, and assistants A. Robulack, F. Dyment, and S. Tooley. The crew was based out of the Fin camp on the Robert Campbell Highway, and access to the claims was by helicopter.

The surveys consisted of totals of 24.7 km of UTEM and 20.2 km of magnetics.

EQUIPMENT AND PROCEDURES

UTEM

As mentioned previously, UTEM surveys were carried out on the property during 1992. A description of the equipment used in the program, field surveying and data processing procedures are given below.

"UTEM" is an acronym for "University of Toronto Electromagnetometer". The system was developed by Dr. Y. Lamontagne while he was a graduate student at the University of Toronto.

The field procedure consists of first laying out a large loop of single strand insulated wire and energizing it with current from a transmitter loop which is powered by a 2.2 Kw motor generator. Survey lines were generally

oriented perpendicular to one side of the loop and surveying performed outside the loop.

The transmitter loop is energized with a precise triangular waveform at a carefully controlled frequency (30.974 Hz for this survey). The receiver system includes a sensor coil and backpack portable receiver which has an internal recording facility. The time synchronization between transmitter and receiver is achieved through quartz crystal clocks in both units, which must be accurate to within about one second in fifty years.

The receiver sensor typically measures the vertical component of the electromagnetic field and responds to its time derivative. Since the transmitter current waveform is triangular, the receiver coil will sense a perfect square wave in the absence of geological conductors. Deviations from the perfect square wave are caused by electrical conductors which may be geologic or cultural in origin. The receiver stacks any pre-set number of cycles in order to increase the signal to noise ratio.

The UTEM receiver gathers and records 9 channels of information at each station. The higher number channels (7,8,9) correspond to short time or high frequency while the lower number channels (1,2,3) correspond to long time or low frequency. Therefore, poor or weak conductors will respond on channels 9,8,7, and 6, while better conductors will produce anomalous responses on progressively lower number channels. For example, massive, highly conducting sulphides or graphite will produce a response on all nine channels.

The digitally recorded data from the receiver's memory is dumped to a computer at the base camp, processed, and, after initial screen previewing, hard copy plots are produced on a printer. The processed results are presented on data sections as profiles of each of the nine channels, one section for each survey line. Several normalizing schemes may be utilized to further analyze the data, resulting in two or more profile plots per line.

MAGNETICS

The magnetics survey was carried out with the EDA OMNI PLUS system. Total field measurements were recorded, utilizing the same grid lines as the UTEM survey, though a denser station spacing of 12.5 m was used. Data is recorded and stored within the magnetometer's internal memory, and dumped to a computer in the evenings. A base station magnetometer was set up at the Fin camp, about 60 kms NE of the property, and set to record at 20 sec. intervals throughout the day. The base station and field units were linked and dumped to the computer simultaneously at the end of the day. Computer processing of the data allows diurnal magnetic variations to be removed from the field data. Reading accuracies of ±10 nT were attained for the magnetics survey.

DATA PRESENTATION

UTEM

The results of the 1992 UTEM surveys are presented on a compilation map (Plate 812-07-4) at a scale of 1:5,000. The symbols utilized to describe the UTEM responses are listed in Table 1. Data sections are plotted for each line surveyed for the Hz component of the secondary field, and are plotted at 1:10,000 facing southeast for this report. A legend is provided to explain the symbols used on the compilation maps and data sections.

The magnetic field amplitudes from both the transmitter loop (primary field) and from those induced in the ground (secondary field) vary considerably with distance from the loop. To present such data a normalizing

scheme must be used. In this survey, the calculated primary field from the transmitter loop is used to normalize the data according to the following schemes:

1. Continuously normalized plots-

The standard normalization scheme is:

a) For channel 1:

$$\%\text{Ch.1 anomaly} = \frac{\text{Ch.1} - P}{P} \times 100\%$$

where P is the primary field from the loop at the station and Ch.1 is the observed amplitude for channel 1.

b) The remaining channels (n = 2 to 9) are channel 1 reduced and channel 1 normalized:

$$\%\text{Ch.n anomaly} = \frac{\text{Ch.n} - \text{Ch.1}}{\text{Ch.1}} \times 100\%$$

where Ch.n is the observed amplitude of channel n (n = 2 to 9).

2. Point normalized plots-

These plots display an arrow at the top of the section indicating the station to which all data on the line is normalized.

a) For channel 1:

$$\%\text{Ch.1 anomaly} = \frac{\text{Ch.1} - P_{pn}}{P_{pn}} \times 100\%$$

where P_{pn} is the primary field from the loop at the station of normalization, i.e., point normalized station, and Ch.1 is the observed amplitude for Channel 1.

b) The remaining channels (n = 2 to 9) are channel 1 reduced and channel 1 normalized:

$$\%\text{Ch.n anomaly} = \frac{\text{Ch.1} - \text{Ch.1}_{pn}}{\text{Ch.1}_{pn}} \times 100\%$$

where Ch.n is the observed amplitude of Channel n and Ch.1_{pn} is the observed channel 1 amplitude at the point normalized station.

Point normalized plots are usually produced on data sections containing anomalies to aid interpretation by isolating the secondary field responses at that location. However, it has become standard practice to produce a point normalized plot for each line at a predetermined distance from the loop to monitor the secondary field variations from line to line.

MAGNETICS

The corrected total field magnetics data are presented as profiles on a 1:5,000 plan map, with a vertical scale of 1 cm = 50 nT.

DISCUSSION OF RESULTS

The 1992 geophysical program outlined several conductive trends that extend grid east-west across most of the grid area. Though outcrop is scarce east of L-800E, most of the conductive trends can be traced back to an area of excellent exposure and detailed geologic mapping at Mt. Vermillion, and thus can be readily evaluated. A large part of what is known about the WOLF property stems from geological work done along Mt. Vermillion, a section which corresponds to L-00 of the 1992 grid. Only conductors associated with the rhyolitic lapilli tuffs of Unit 6 and the altered rhyolite flows of Unit 8 are considered interesting.

The northernmost conductor extends from approximately L-00,100S to L-1400E,750S, at which point it either pinches out or extends slightly north of the ground coverage, which is stopped short due to excessively steep terrain. The conductor re-appears at L-2200E and is traceable to the eastern limit of the grid. This horizon produces weak to moderate UTEM responses with better sections near its eastern and western limits, i.e., Ch-4 and Ch-5 responses from L-00 to L-800E, and Ch-2 responses from L-3200E to L-3600E. There is no magnetic correlation with this conductor which correlates with the black tuffaceous mudstones of Unit 4, and thus are of no interest.

A second conductive trend is traceable from L-00, 550S to about L-1200E, 250S. This feature produces only very subtle conductive responses and the eastern portion, i.e., from L-00 to L-400E, correlates well with an andesite dyke, though to the east of L-400E, where the dyke is mapped as deviating to the north, the conductor appears to follow the northern contact of Unit 6. Since the conductive responses associated with this feature are so weak, it is not worthwhile in further pursuing the nature of this feature.

A bit further south, a conductive horizon was identified, and represents the primary target of this exploration effort. Anomalous UTEM responses are related to the Upper portion of Unit 6, and extends slightly south of the trenching. This conductor is mainly evident on L-1000E and L-1200E at 525-550S, and is weakly traceable to flanking lines. These are Ch-4 and Ch-5 responses from a source at moderate depth, down-dip, or perhaps down-plunge, from the trenching, though there are no lineations in the local geology to suggest a southeast plunge. Along L-1200E, a second flanking conductor is evident, about 100 m to the south, and on L-1400E, though both conductors are significantly weaker, the conductive units diverge considerably. There is no conductivity associated with the barite mineralization encountered in the trenches northwest of the main portion of the conductor. This conductor is quite possibly due to a small sulphide body, with a short strike length of 300-400 m. A drill hole, 78-1, collared immediately east of L-800E at approximately 700S, was designed to intersect the south-dipping target stratigraphy under the trenches, but encountered no significant sulphides, and in fact, did not reach Unit 6, indicating that the target stratigraphy in this area dips quite steeply to the south. The results of the 1992 UTEM program would suggest that DDH 78-1 was positioned too far west to test the conductor. A drill hole between L-1000E and L-1200E would be required to test the conductor, though, with the short strike length of the main portion of the conductor, and no indication in the geology of downdip elongation, the size potential is very limited. The UTEM survey did trace this horizon for a considerable distance to the east, i.e., to about L-3000E, but there is little conductivity associated with this trend and hence it does not represent a massive sulphide target. At L-2400E, immediately north of this trend, some encouraging Zn,Pb,Ag values were obtained in rock samples, probably stratigraphically equivalent to the trenches, but without any significant conductance, and does not represent a massive sulphide target.

Along the southern margin of the grid, a strong conductive response is quite evident on most lines. These are very strong Ch-1 to Ch-3 responses,

which correlate well with a thrust fault. This feature is traceable from the southeastern corner of the grid, west to L-800E, where the conductive nature of the feature weakens considerably, and trends off faintly to the southwestern corner of the 1992 coverage area. A sub-parallel conductive feature closely flanks this structure to the south, and is only apparent sporadically across the southern end of the lines. At L-800E, and extending to the west, a conductive feature deviates from the thrust fault, typically appearing as weak responses, though having an abrupt Ch-2 contact response at L-200E. This feature either represents a splay in the main thrust fault, or a conductive mudstone horizon in Unit 10, and in either case, is uninteresting as a base metal target.

There is very little in the total field magnetics to correlate with the above-mentioned conductive features. It appears that Unit 6 exhibits a slightly elevated magnetic susceptibility, with a broad 10-30 nT magnetic signature weakly evident in the profiles. The most prominent magnetic features are related to the syenitic intrusive in the southeastern grid area, reflecting the contact, and internal magnetic concentrations. The lack of magnetics associated with the UTEM conductors also downgrades those features as massive sulphide targets, since VMS deposits typically exhibit some magnetic correlation.

6. CONCLUSIONS AND RECOMMENDATIONS

Several conductive features are outlined within the WOLF grid area, some relating to conductive mudstones, others relating to major structures, and only one related to a horizon deemed to have base metal potential. This favourable unit, Unit 6, consists of strongly altered rhyolitic lapilli-tuffs and porphyritic flows, containing discontinuous lenses of bedded barite with stratiform py, sp, and gn, and was the target of the previous trenching. This horizon can be traced with UTEM for a considerable distance across the central portion of the grid area, probably reflecting very minor mineralization associated with that unit. Along one section, immediately southeast of the trenching, a short section of the feature shows an indication of base metal potential. However, the massive sulphide target has only a short strike length (300-400 m) and as a result, very limited tonnage potential. There is no indication of significant downdip dimension to the target and considering the remote location of the property, is not economically viable.

No further work is recommended on this property.

Reported by: R.W. Holroyd,
Geophysicist

Endorsed by: J. Klein,
Chief Geophysicist.

Approved for Release by: W.J. Wolfe
Manager, Western Dist.

Distribution:
Geophysics Files
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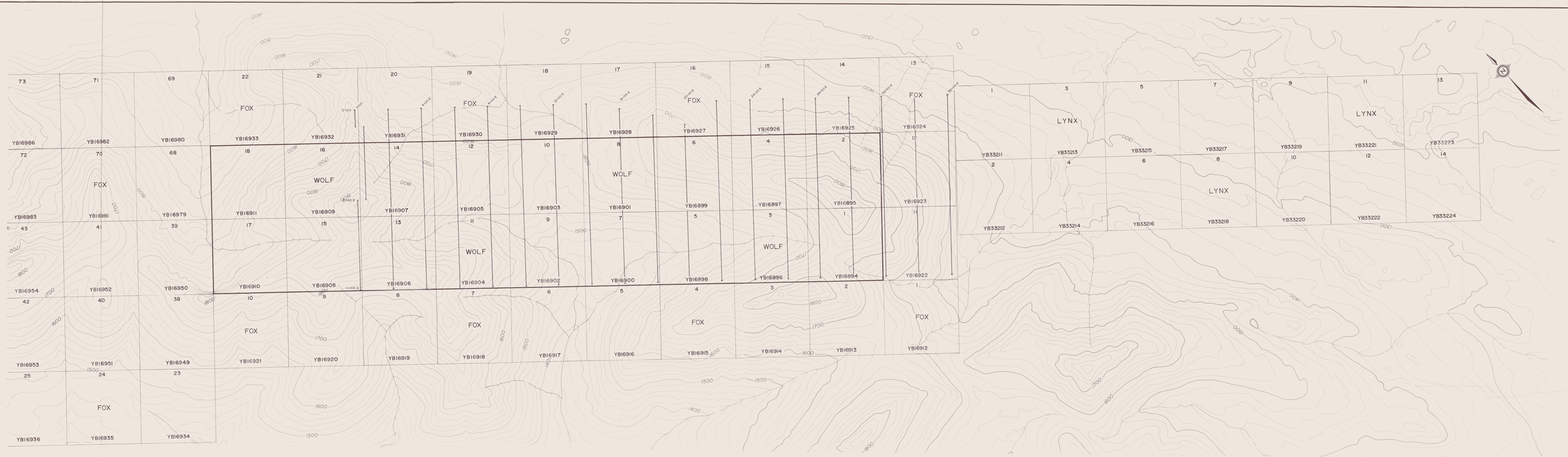

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WOLF PROPERTY 093084

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Revised by Date	Revised by Date

1992 GRID & CLAIM MAP

WATSON LAKE M.D. YUKON TERRITORY

Scale 1:5,000 Date JULY 1992 Plan 87-07-2

DWG 118

WOLF PROPERTY 093084

TOTAL FIELD MAGNETICS SURVEY

WATSON LAKE M.D., YUKON

NTS 105 G/5,6

Scale 1:5000 Date JULY 1992 File 812-07.3

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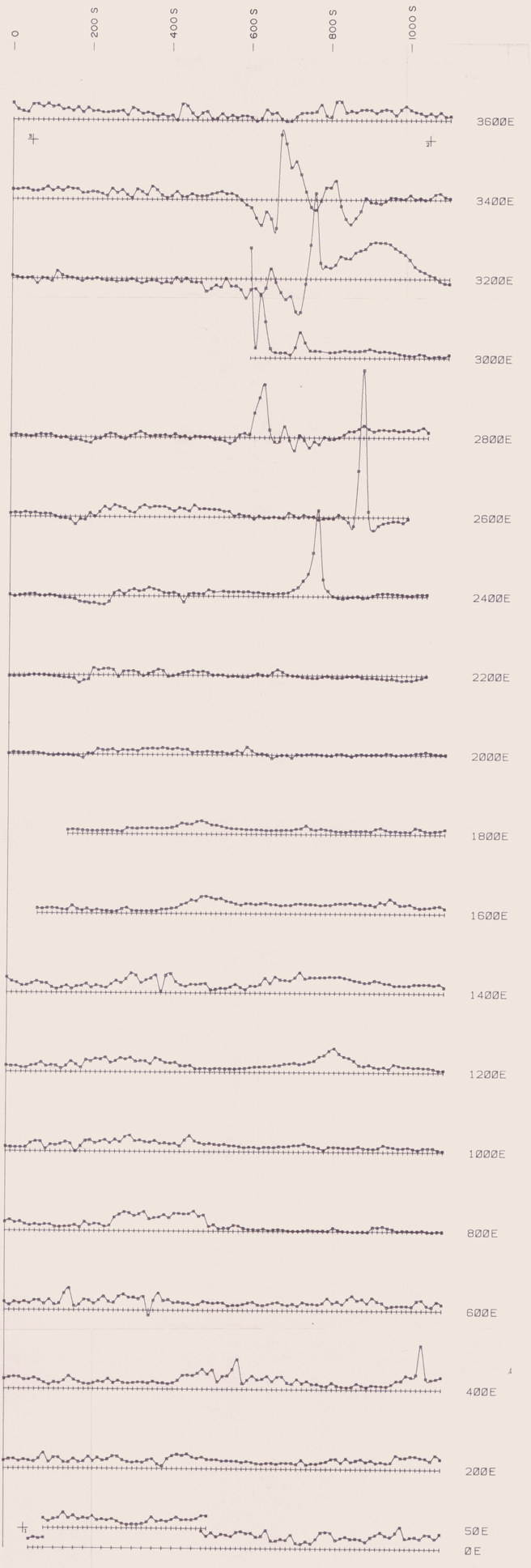


STRATIGRAPHIC COLUMN

UPPER DEVONIAN - MISSISSIPPIAN

UDMi light to medium grey weathering, equigranular, fine to coarse grained (locally pegmatitic) diorite/syenite intrusive plug.

uDMv dark green grey to orange weathering, massive, intermediate to felsic volcanic flows and thick bedded, fine to coarse tuffs with minor interbedded black mudstone and chert.

11 medium grey to brown weathering, laminated to thin bedded, dark grey to black cherty mudstone with interbedded siltstone and minor chert, pebbly siltstone and fine chert pebble conglomerate. Numerous medium grey to orange weathering, amygdaloidal andesite dykes/sills intrude the sediments. (225-250 m thick)

10 heterolithic unit comprised primarily of thick bedded dark grey to black tuffaceous mudstone intercalated with light grey, dark green grey to brown weathering dacitic to rhyolitic lapilli tuff, lapilli-ash tuff and minor tuff breccia. Volcaniclastics are moderately to intensely Fe carbonate altered. (90-120 m thick)

9 predominantly dark green grey weathering, medium to dark green and maroon andesite/dacite fine-grained and locally pillowed and feldspar porphyritic massive flows with diffuse lateral and vertical contacts into monolithic flow breccias and lapilli-ash tuffs; minor dark grey to black tuffaceous mudstone is present. Several thick fine-grained and locally amygdaloidal andesite sill/dykes cut the strata. (110-160 m thick).

8 Medium dark green, strongly chloritic altered rhyolite, dacite and andesite flows/flow breccias and tuff developed northwest of Mt. Vermillion (5-50 m thick). This unit contains at least 3 horizons of po, py, sp, cpy, ± gn up to 3 m thick

7 light to medium brown grey weathering, thick normally graded fine to coarse dacite ash tuff to lapilli-ash tuff containing 5-10% mudstone fragments intercalated with thin-thick bedded, dark grey to black mudstones. Unit shows rapid lateral thickness and facies changes (5-100 m thick)

6 light grey to yellow, white and rusty weathering, strongly altered and pyritic unit consisting of recessive rhyolitic lapilli-ash tuff and lapilli tuff separating intervals of resistant massive fine-grained, feldspar ± quartz porphyritic flows (60-100 m thick). Discontinuous lenses of bedded barite with stratiform py, sp, gn are developed within this unit.

5 medium to dark green brown weathering, fine-grained massive bedded andesite/dacite ash tuff to lapilli tuff and minor fine-grained flows. Units is generally monolithic and moderate-strongly Fe carbonate, pyrite and chlorite altered (45-120 m thick).

4 heterolithic unit comprised of medium to light grey green, medium-thick bedded, normally graded dacite/andesite ash tuff to lapilli-ash tuff commonly containing 5-15% mudstone fragments, intercalated with thin-thick interbeds of dark grey to black tuffaceous and non-tuffaceous mudstones. (80-100 m thick)

3 dark grey to black non tuffaceous and lesser tuffaceous mudstone and minor thin orange to brown weathering, Fe carbonate altered sandstone. Several thin andesite sills/dykes intrude the strata (70-80 m thick)

2 thick sequence of orange to brown weathering, Fe carbonate altered dacite ash tuff to lapilli tuff with several thin to thick vesicular andesite sill/dykes. (80-100 m thick)

1 dark grey to black thin bedded calcareous non tuffaceous mudstones

uSDc UPPER SILURIAN - DEVONIAN
grey, thick to massive bedded silty dolomite, dolomite breccia with minor thin bedded black limestone.

uCDOpd UPPER CAMBRIAN - ORDOVICIAN
grey weathering, lustrous slate with intercalated diabase sills.

SYMBOLS

Fault
Shear zone
Geological Contact
Major
Minor
Intrusive contact
Bedding
Foliation
Fold Axis
Outcrop

1978 DDH
1977 Trenches
1977/78 Cat Road
Rock Sample 1991
Barite Float

R Rhyolite
D Dacite
A Andesite

at Ash tuff (> 75% ash)
lat Lapilli-ash tuff (25-75% lapilli)
lt Lapilli tuff (> 75% lapilli)
tbx Tuff breccia
fbx Flow breccia
f Flow
pof Porphyritic flow
tm Tuffaceous mudstone
m Mudstone

0 100 200 300 400 500 metres

DWG 117

WOLF PROPERTY 093084 105 G/5,8

Drawn by: Traced by:
Revised by Date Revised by Date

UTEM INTERPRETATION MAP

WATSON LAKE M.D., YUKON TERRITORY

Scale: 1:5,000 Date: JULY 1992 Plate: 812-07-4

LEGEND

UTEM DATA SECTIONS

ORDINATE: Amplitude scale is given in %

ABSCISSA: Station or Picket Numbers in Hundreds of Meters

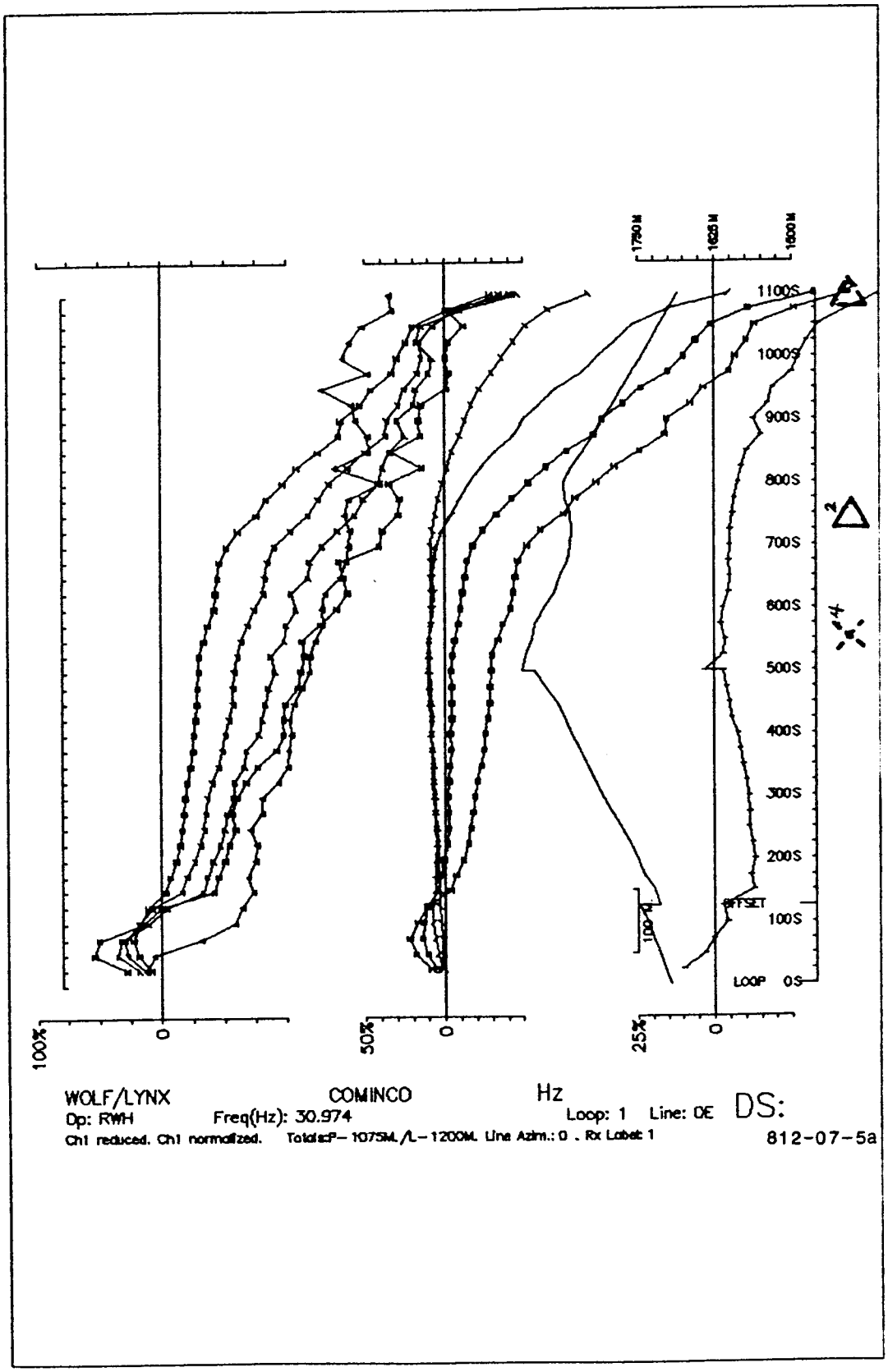
SYMBOL	CHANNEL	MEAN DELAY TIME	
		15 Hz	30 Hz
1	1	25.6 ms	12.8 ms
2	2	12.8	6.4
3	3	6.4	3.2
4	4	3.2	1.6
5	5	1.6	0.8
6	6	0.8	0.4
7	7	0.4	0.2
8	8	0.2	0.1
9	9	0.1	0.05
10	10	0.05	0.025

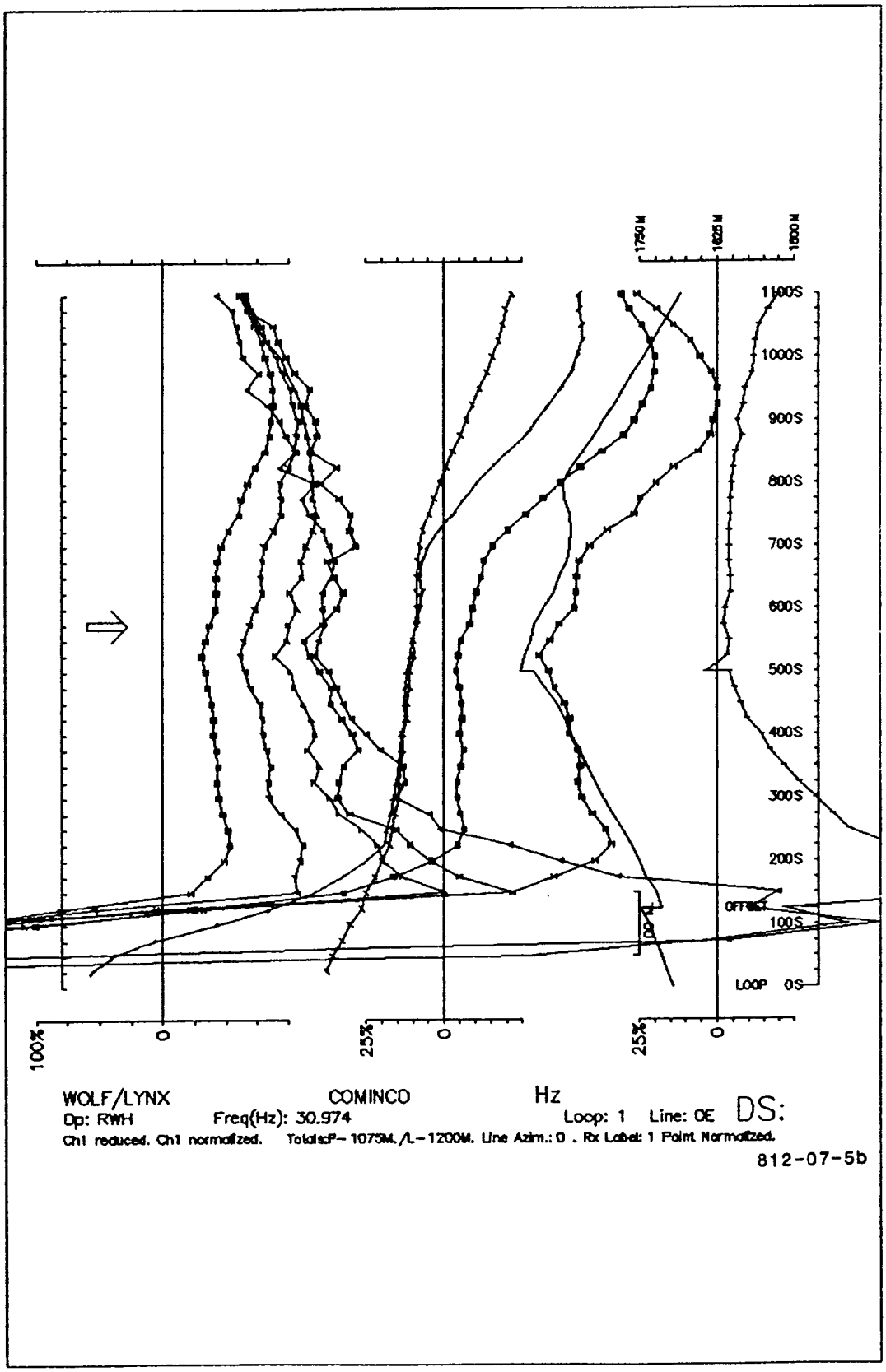
$S X^{2}$ Axis of a Crossover Anomaly. The Right Superscript Indicates the Latest Anomalous Channel. The Left Superscript Indicates Depth to Top of Conductor Where

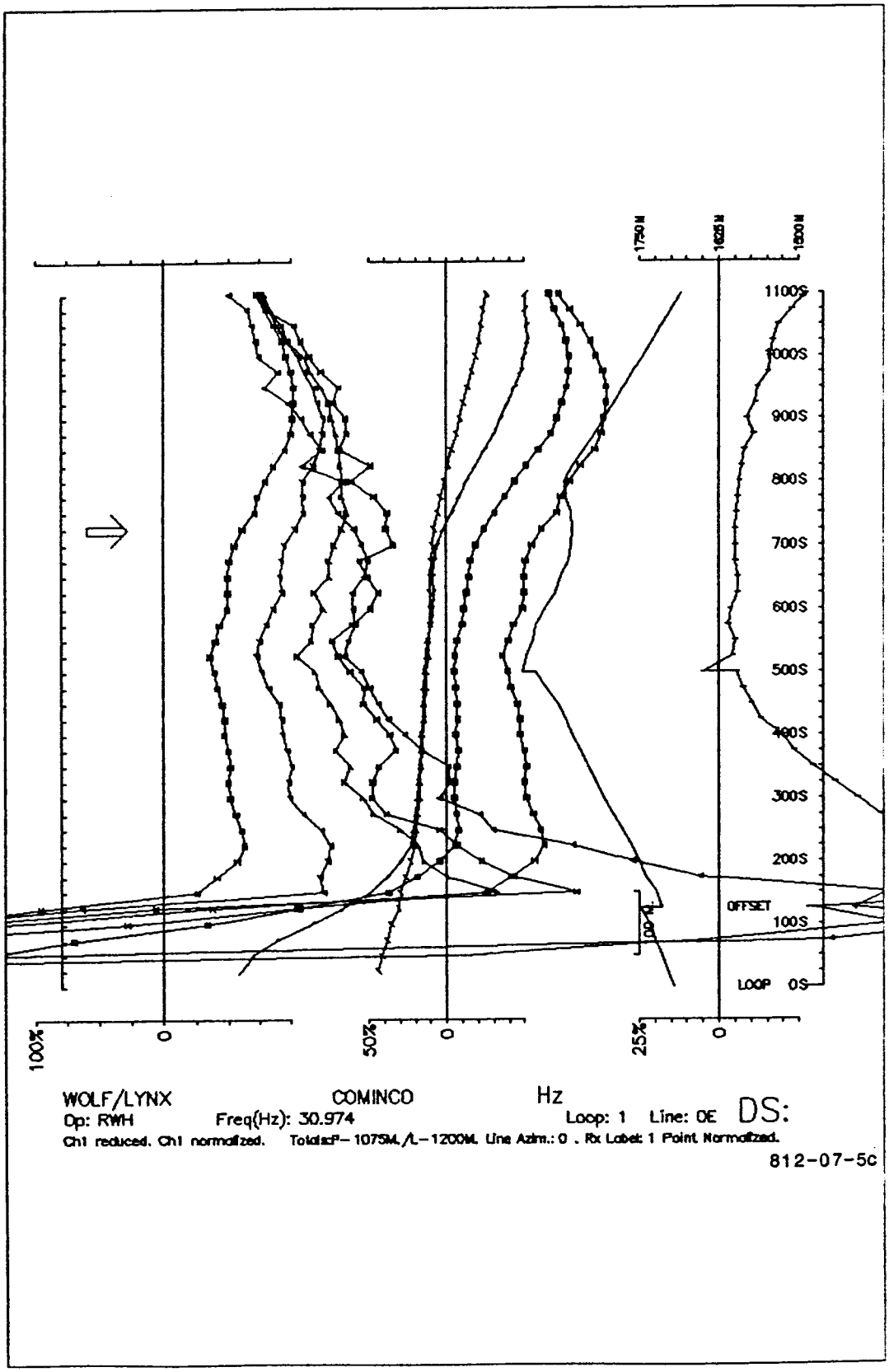
S = Shallow (< 50 m)
M = Moderately Deep (50 - 150 m)
D = Deep (> 150 m)

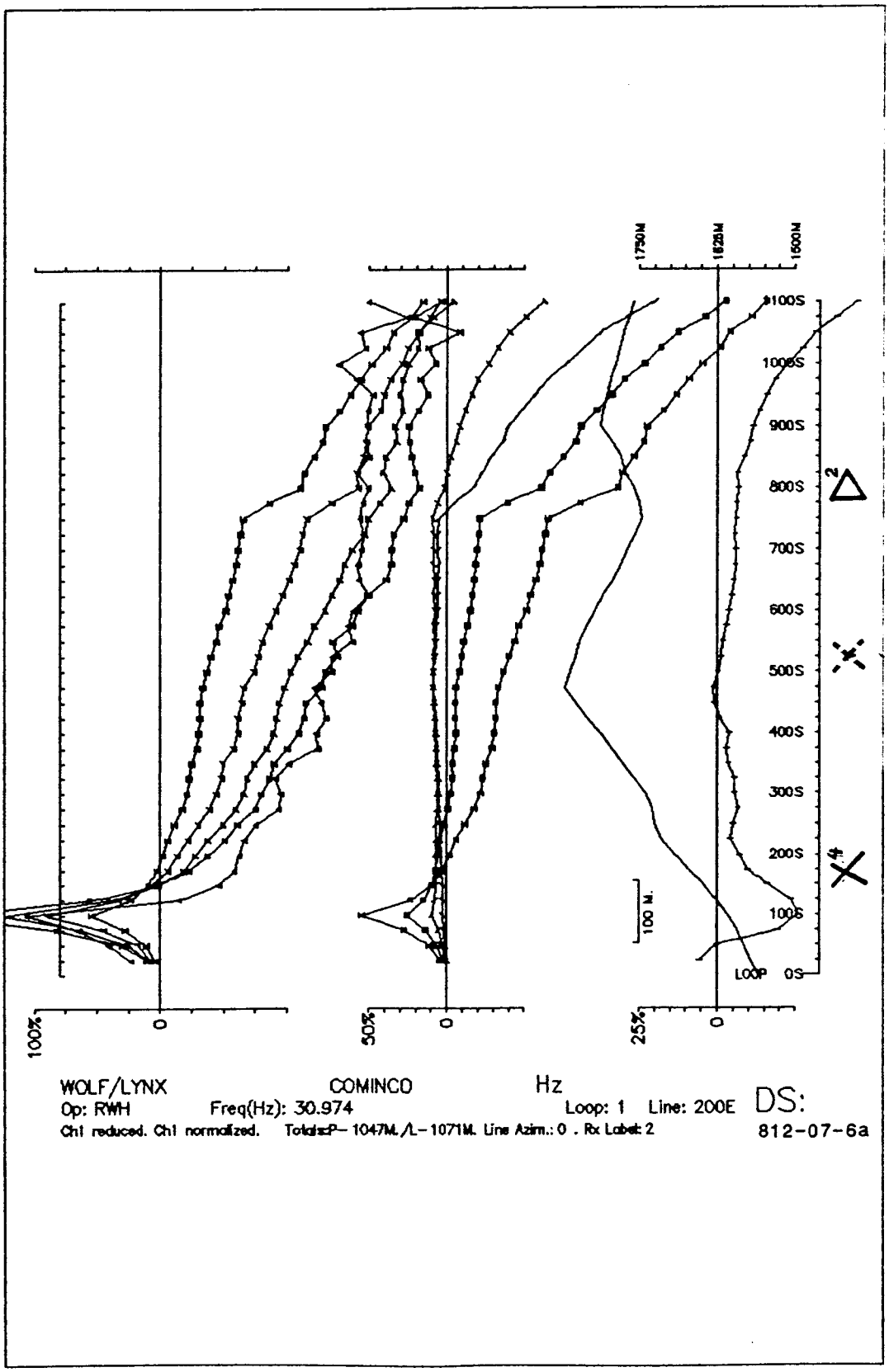
$S R^{2}$ Reverse Crossover Anomaly

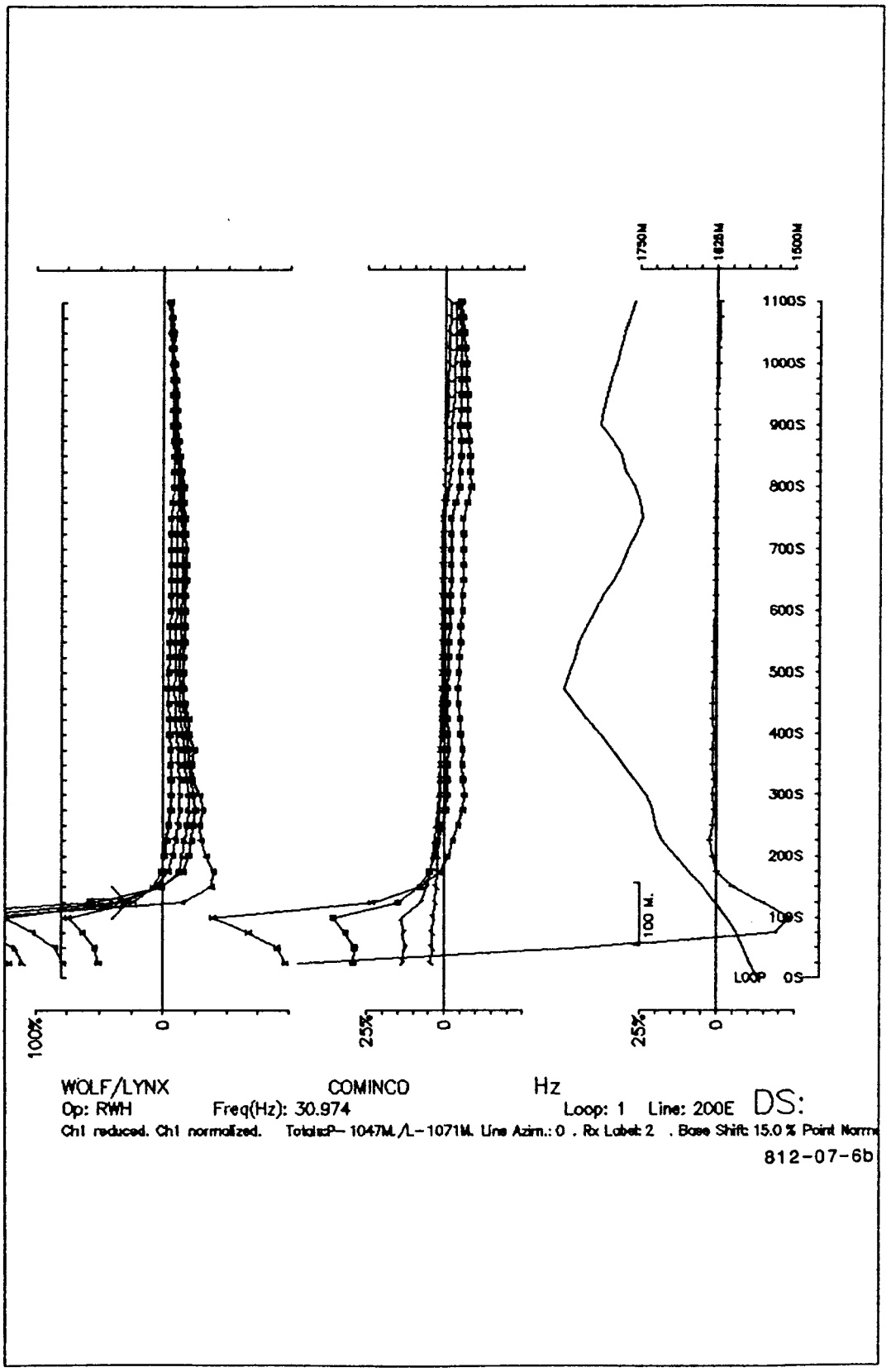
▷ ◁ Change in Conductivity. Arrow(s) Indicates Zone of Higher Conductivity

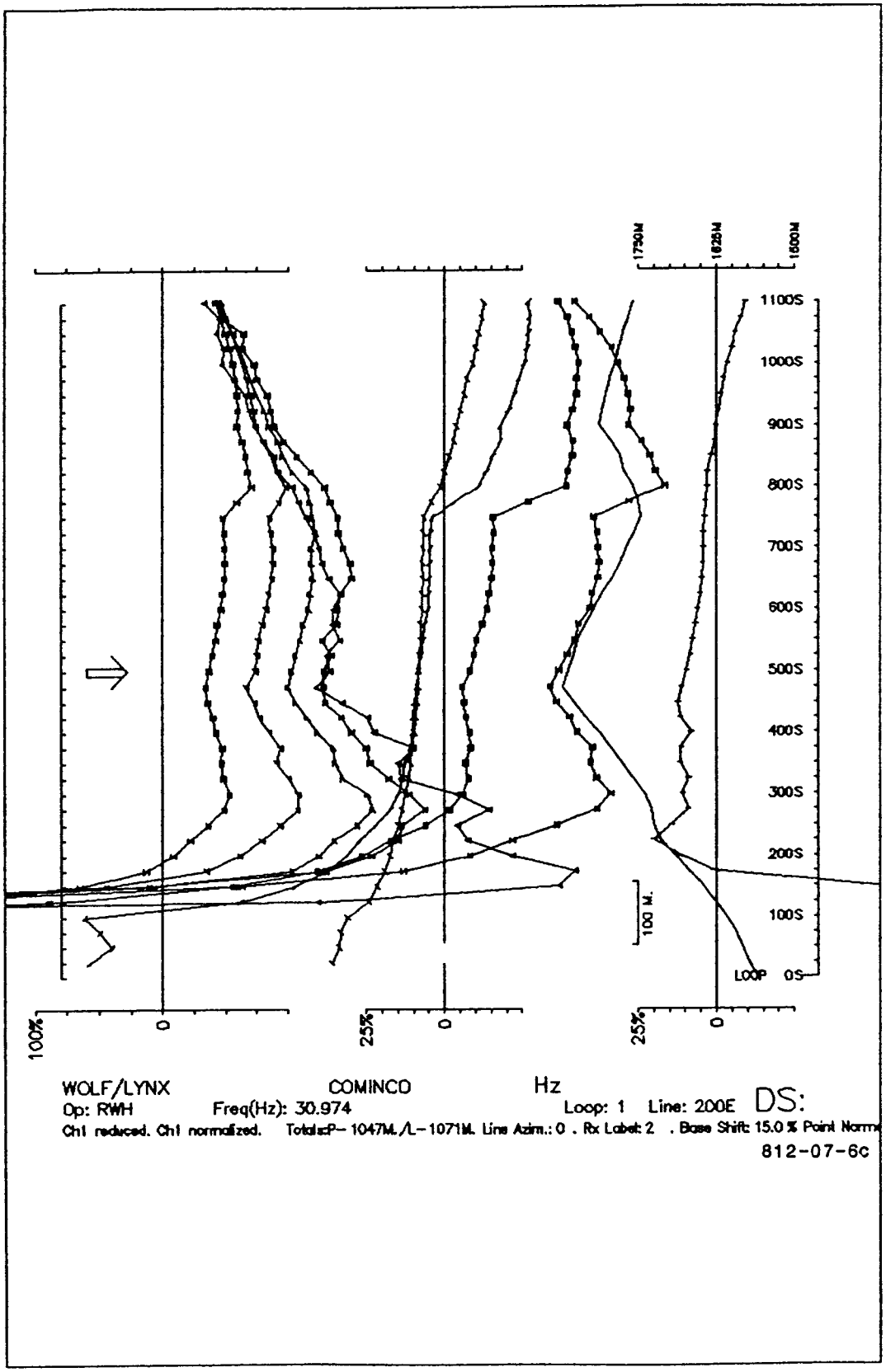

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
OFFSET
100S
LOOP 0S
100%
50%
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 0E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1075M./L-1200M. Line Azim.: 0 . Rx Label: 1
812-07-5a

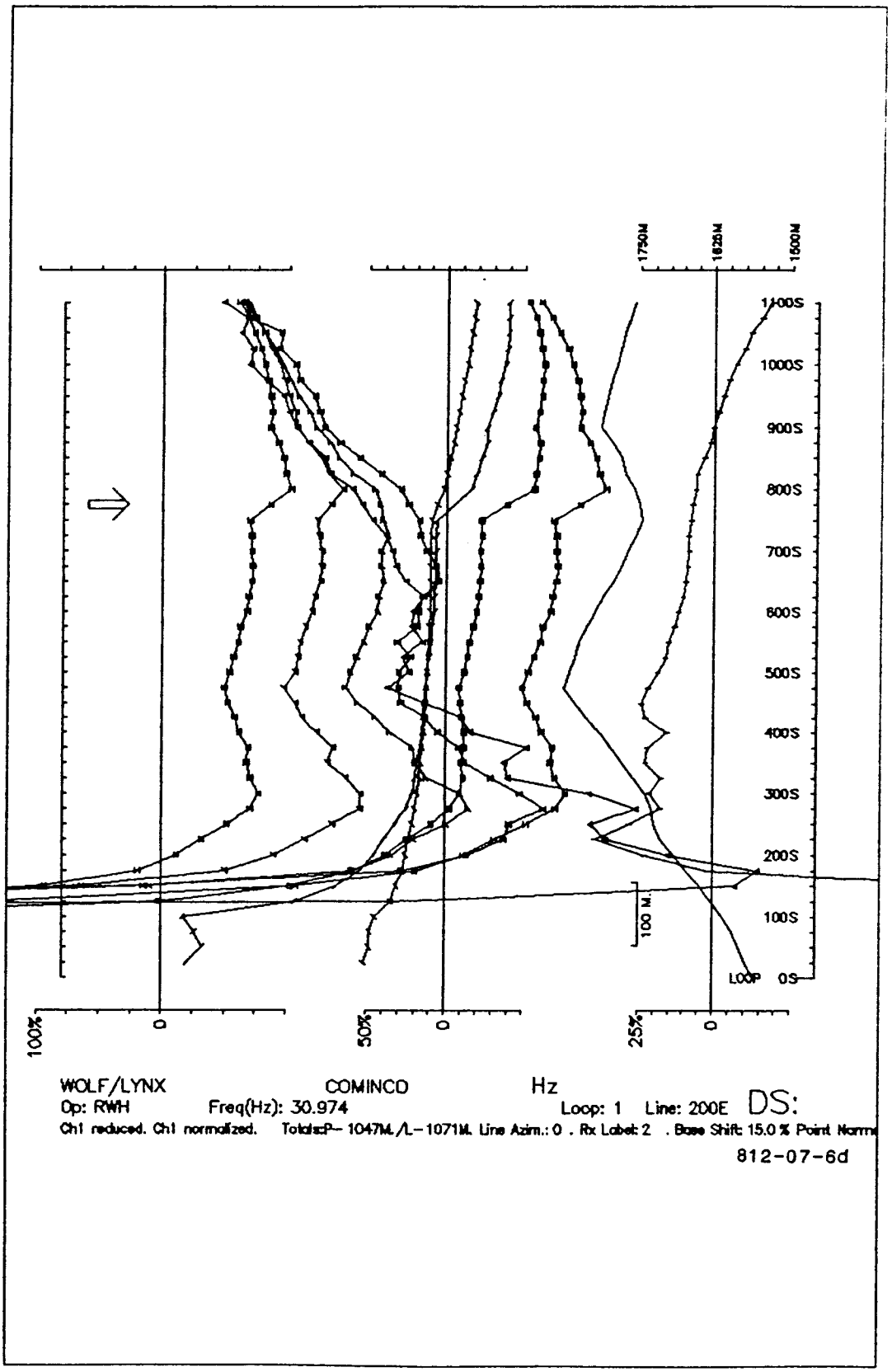

1750 N
1825 N
1900 N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
OFFSET
LOOP 0S
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 1 Line: 0E
DS:
Ch1 reduced. Ch1 normalized. TotalsP-1075M./L-1200M. Line Azim.: 0 . Rx Label: 1 Point Normalized.
812-07-5b

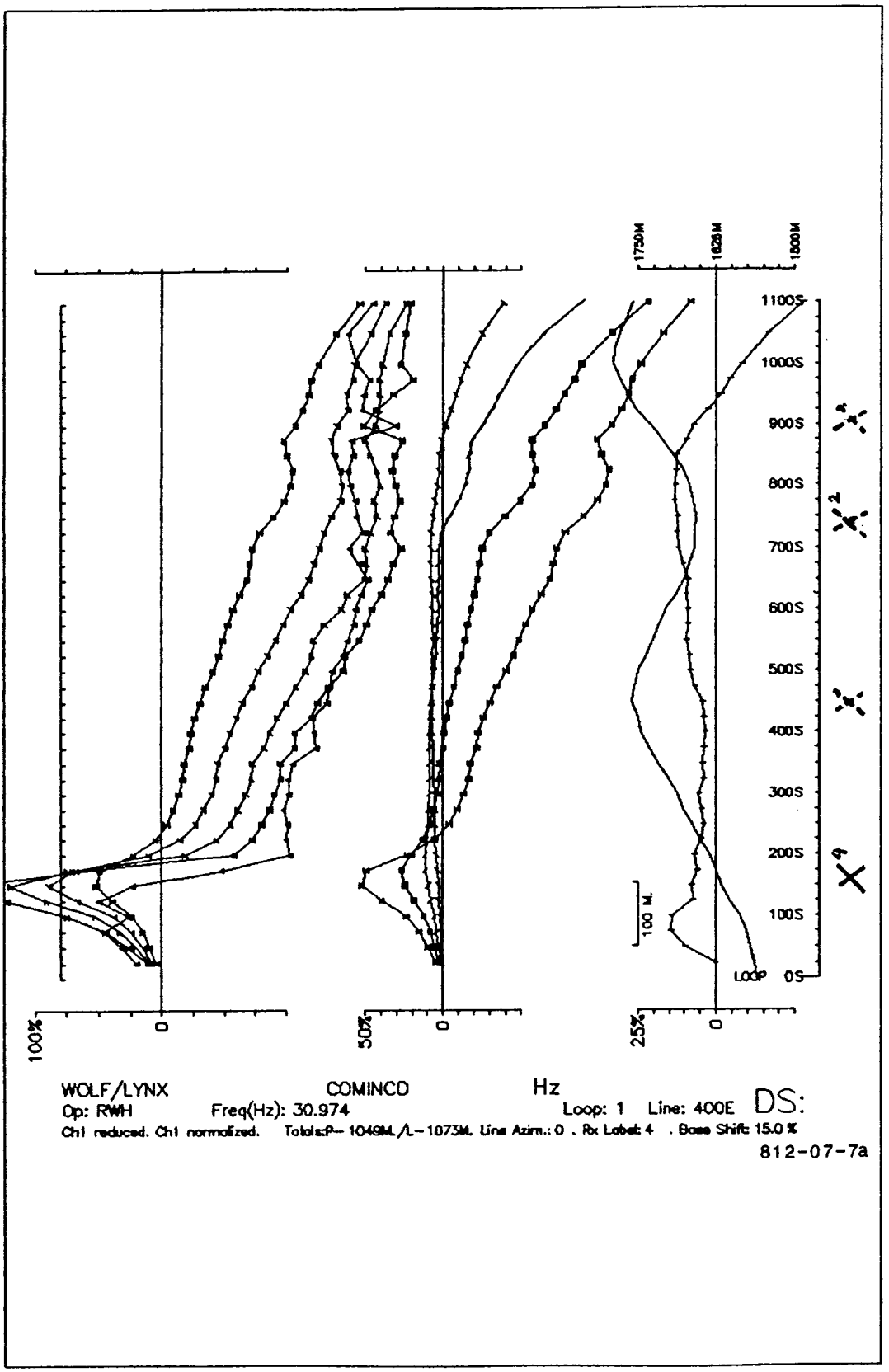

1750 N
1625 N
1500 N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
OFFSET
100S
LOOP 0S
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 0E
DS:
Ch1 reduced. Ch1 normalized. TotalsP- 1075M,/L-1200M. Line Azim.: 0 . Rx Label: 1 Point Normalized.
812-07-5c

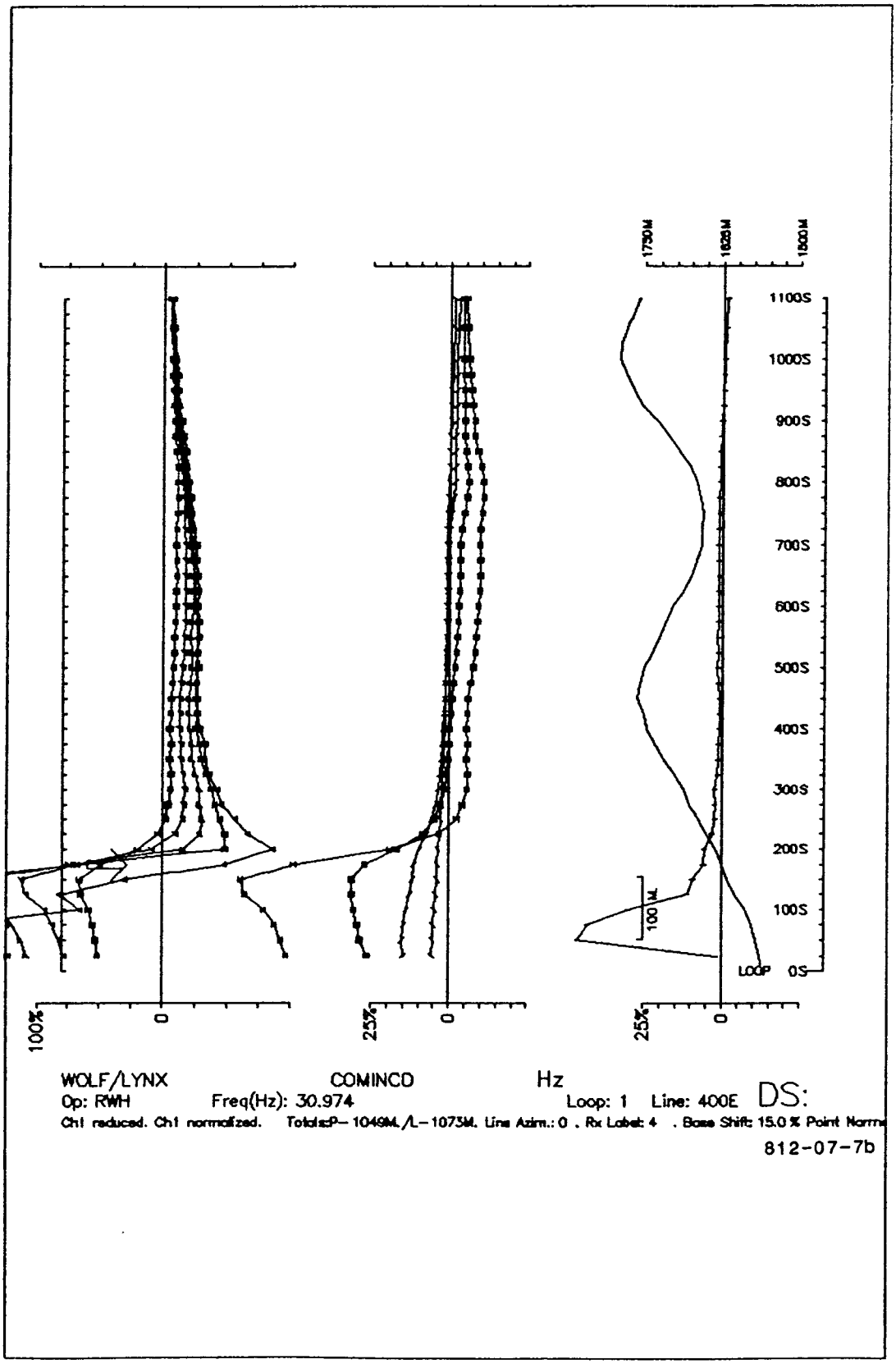

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1047M./L- 1071M. Line Azim.: 0 . Rx Label: 2
812-07-6a

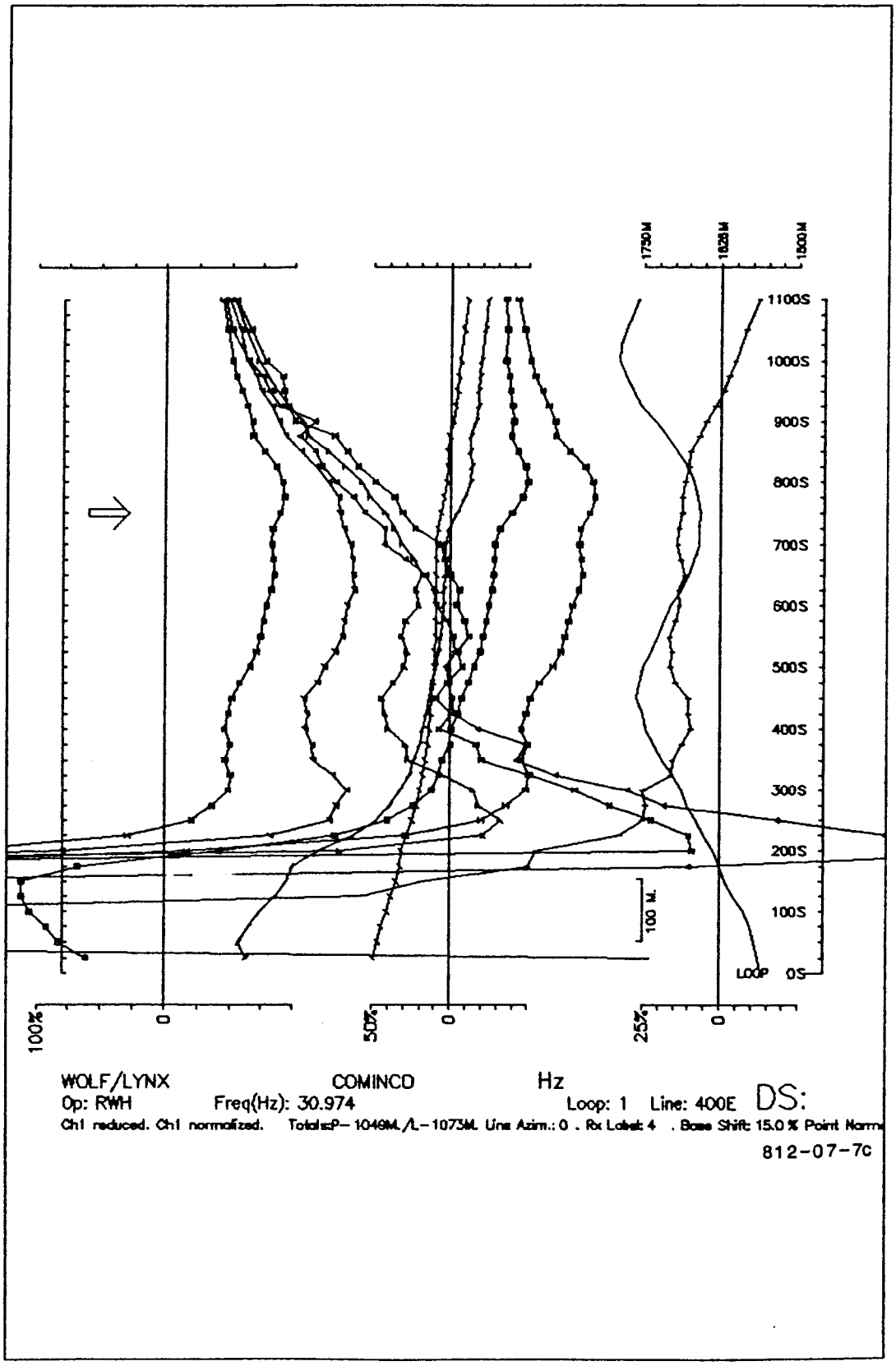

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1047M./L-1071M. Line Azim.: 0 . Rx Label: 2 . Base Shift: 15.0 % Point Norm
812-07-6b

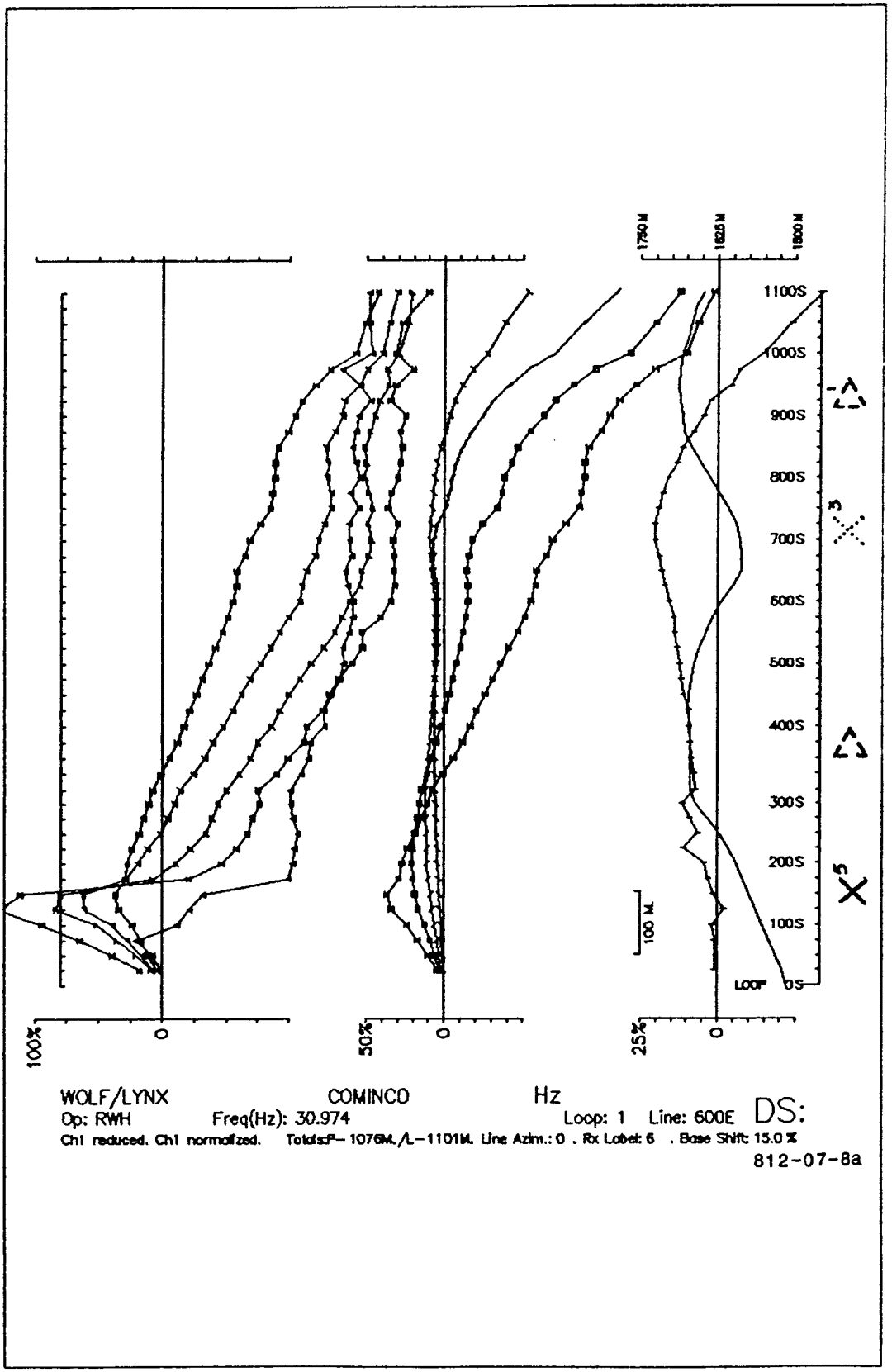

1750N
1625N
1500N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 200E
DS:
Ch1 reduced. Ch1 normalized. TotalsP- 1047M./L-1071M. Line Azim.: 0 . Rx Label: 2 . Base Shift: 15.0 % Point Norm
812-07-6c

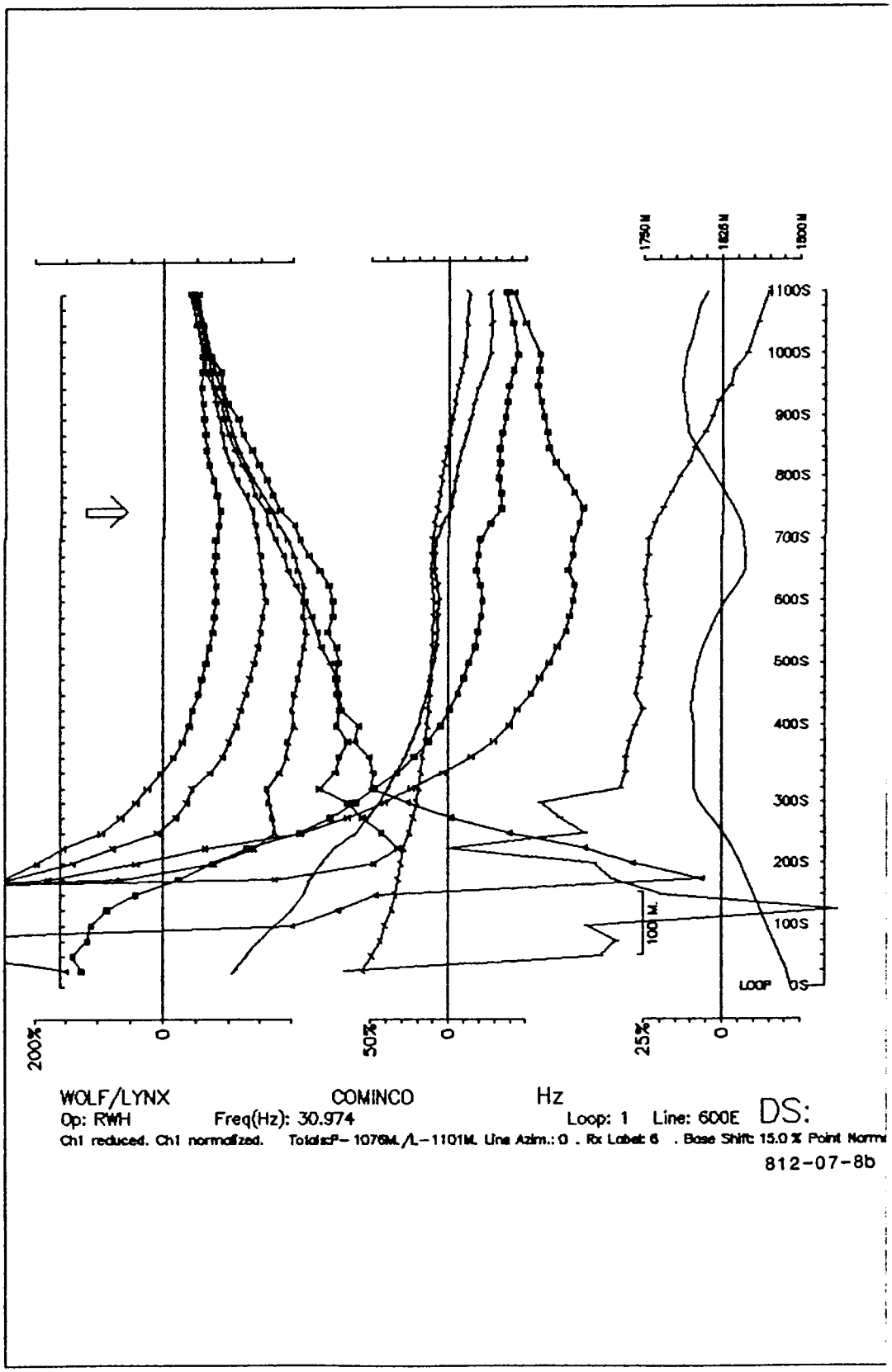

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 200E
DS:
Ch1 reduced. Ch1 normalized. TotalsP- 1047M./L-1071M. Line Azim.: 0 . Rx Label: 2 . Base Shift: 15.0 % Point Norm
812-07-6d

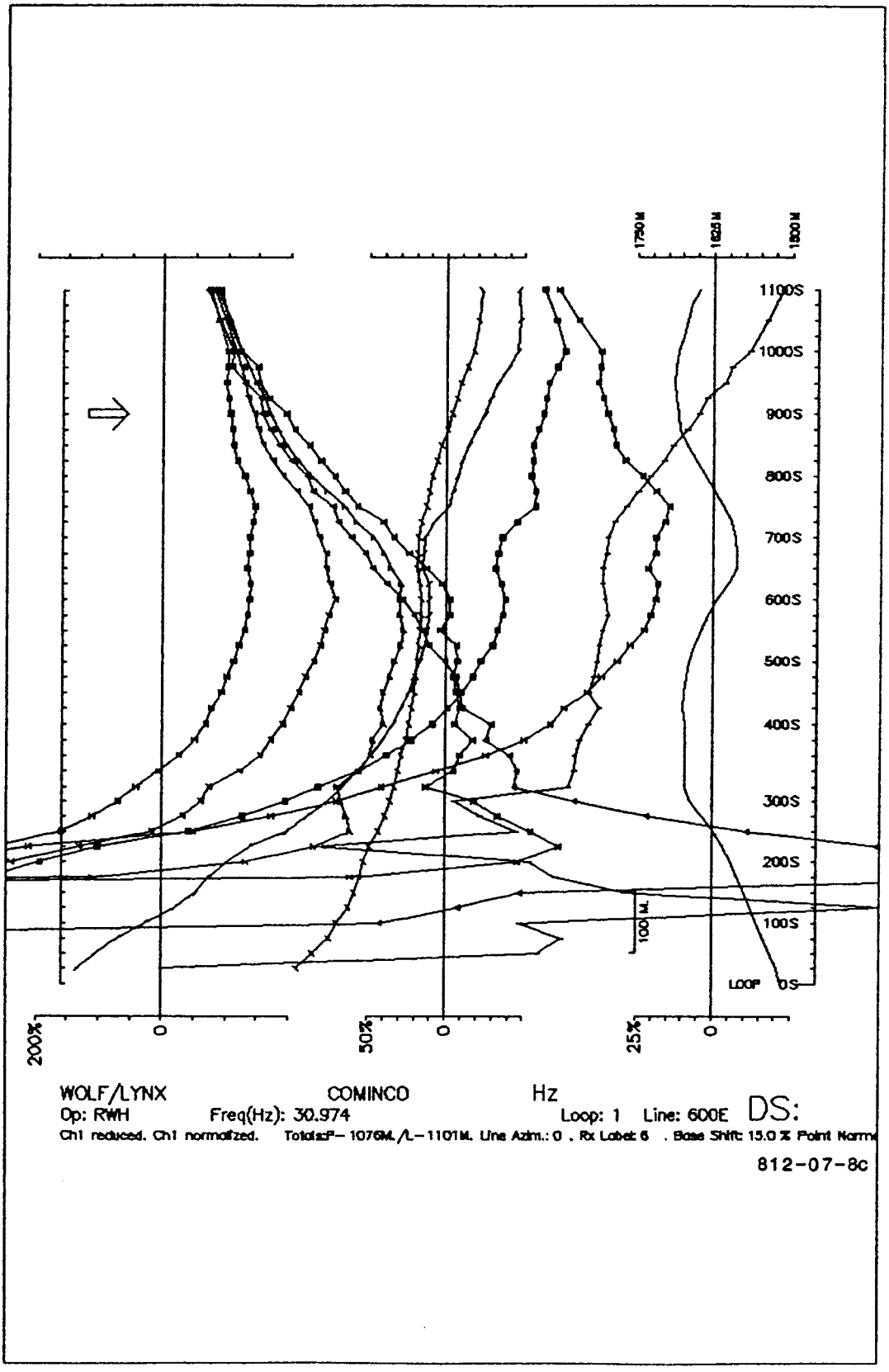

1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-- 1049M./L-1073M. Line Azim.: 0 . Rx Label: 4 . Base Shift: 15.0 %
812-07-7a

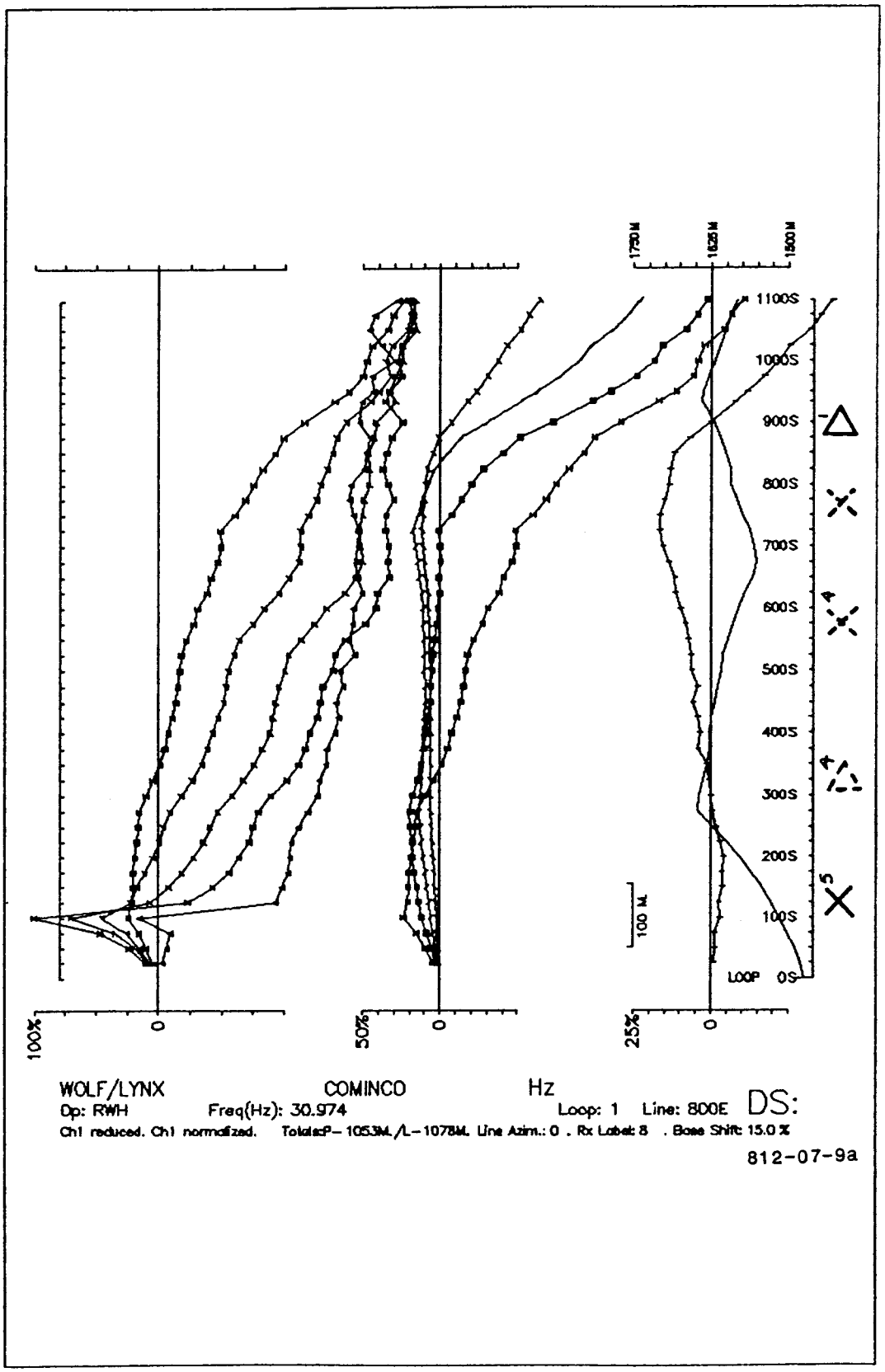

1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100M
LOOP
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1049M./L-1073M. Line Azim.: 0 . Rx Label: 4 . Base Shift: 15.0 % Point Norm
812-07-7b

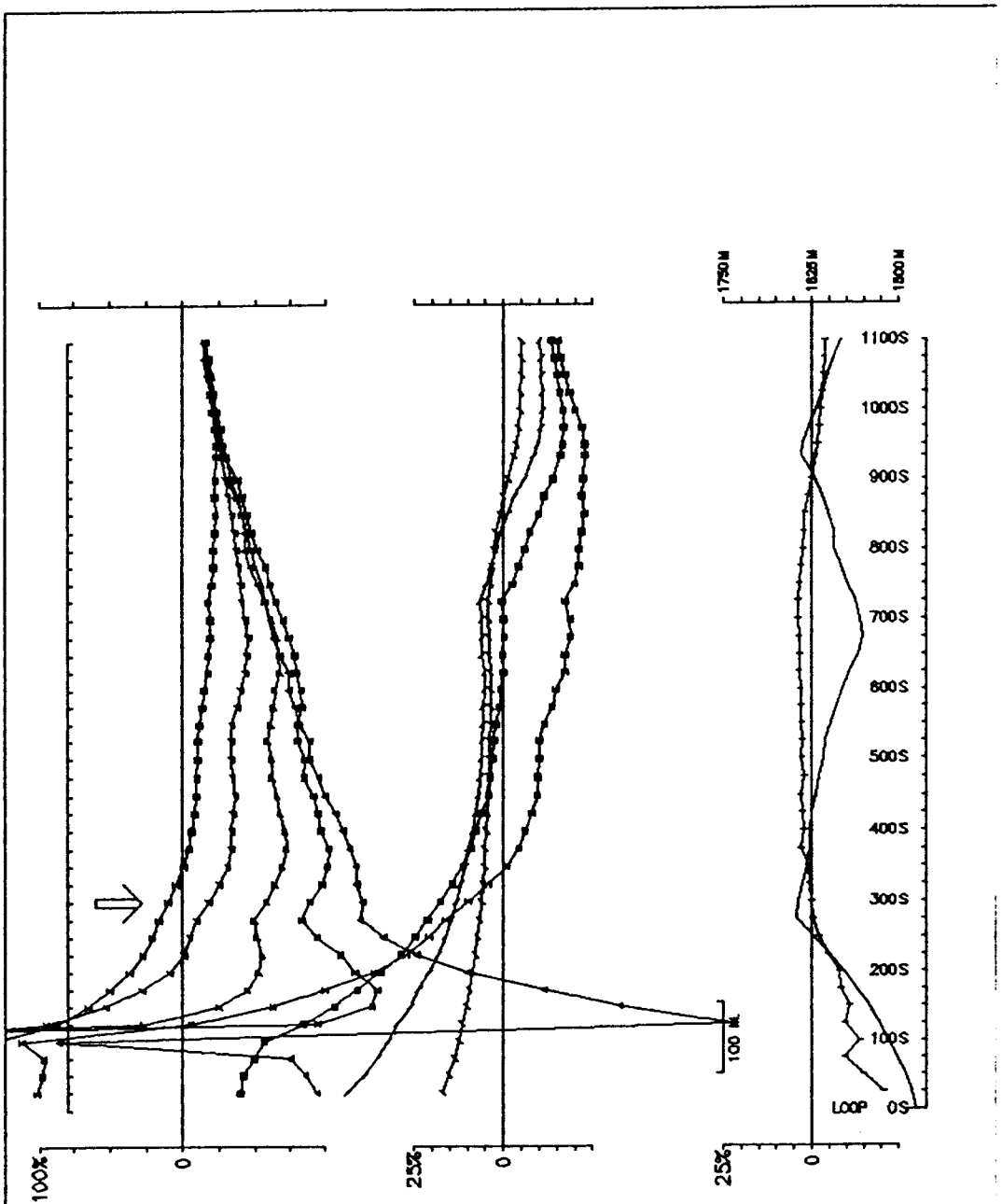

1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1
Line: 400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1049M /L-1073M Line Azim.: 0 . Rx Label: 4 . Base Shift: 15.0 % Point Norm
812-07-7C

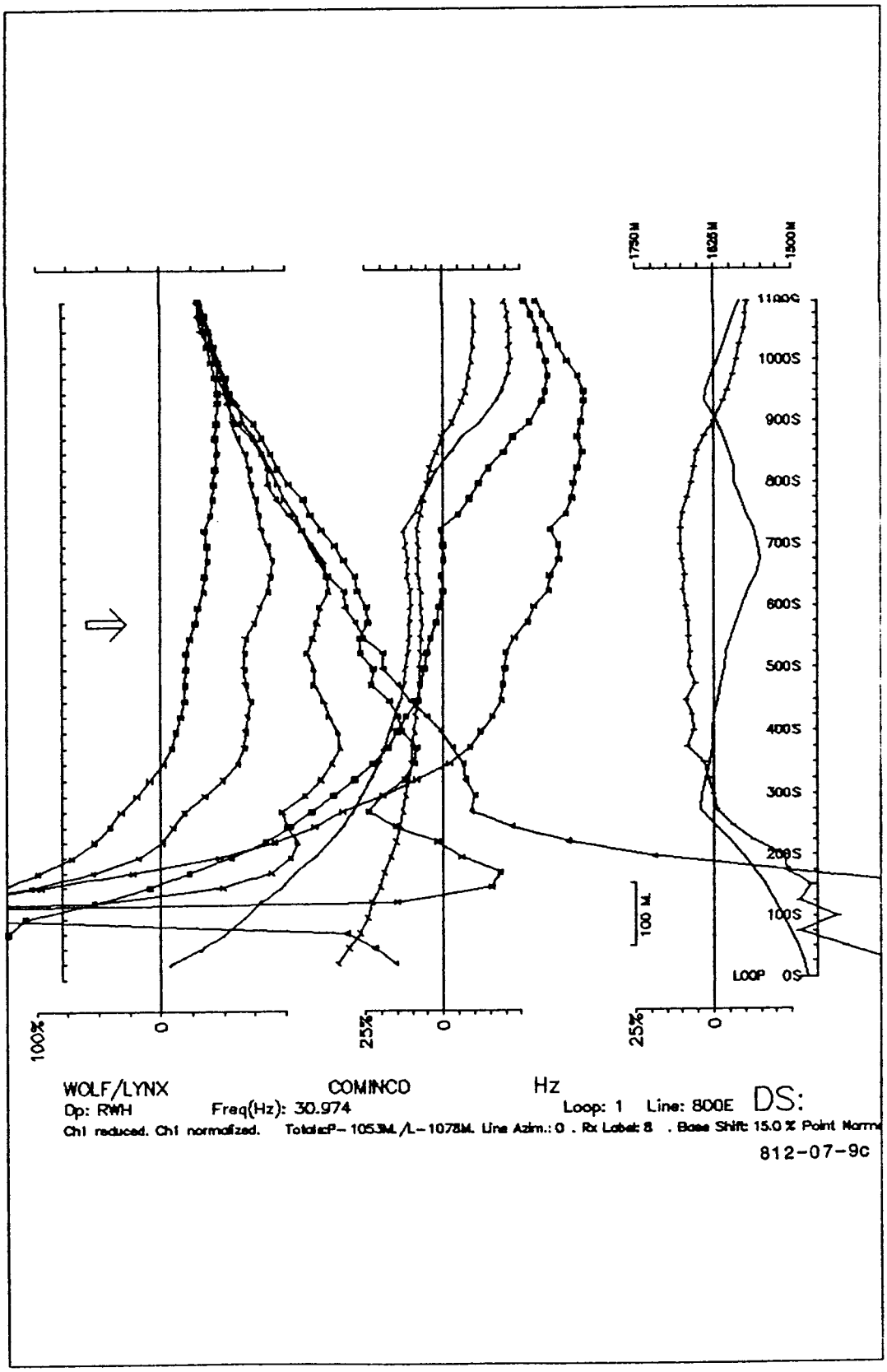

1750 M
1825 M
1900 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1
Line: 600E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-1076M./L-1101M. Line Azim.: 0 . Rx Label: 6 . Base Shift: 15.0 %
812-07-8a

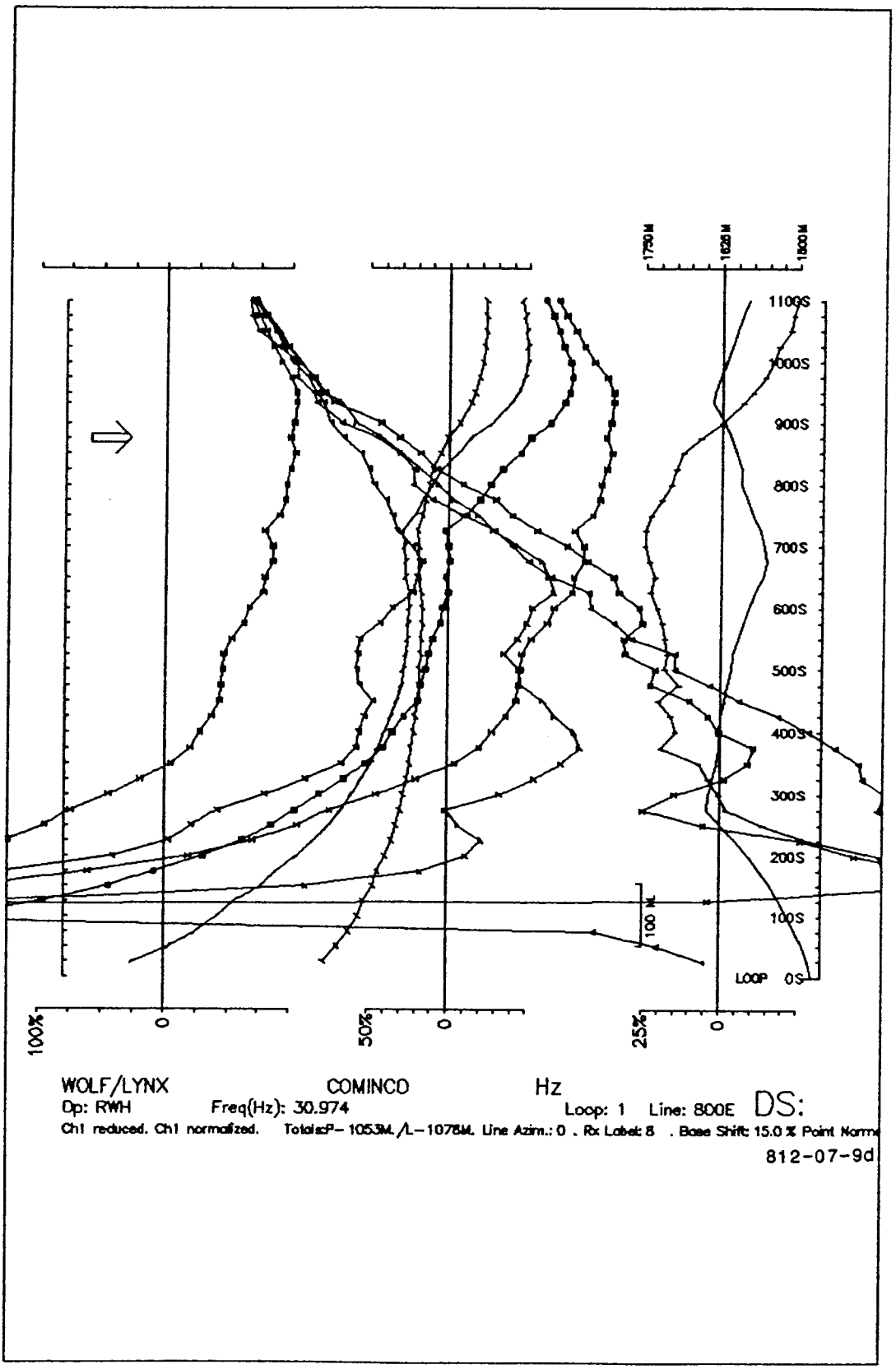

1750 N
1825 N
1900 N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
200%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1
Line: 600E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-1076M./L-1101M. Line Azim.: 0 . Rx Label: 6 . Base Shift: 15.0 % Point Norma
812-07-8b

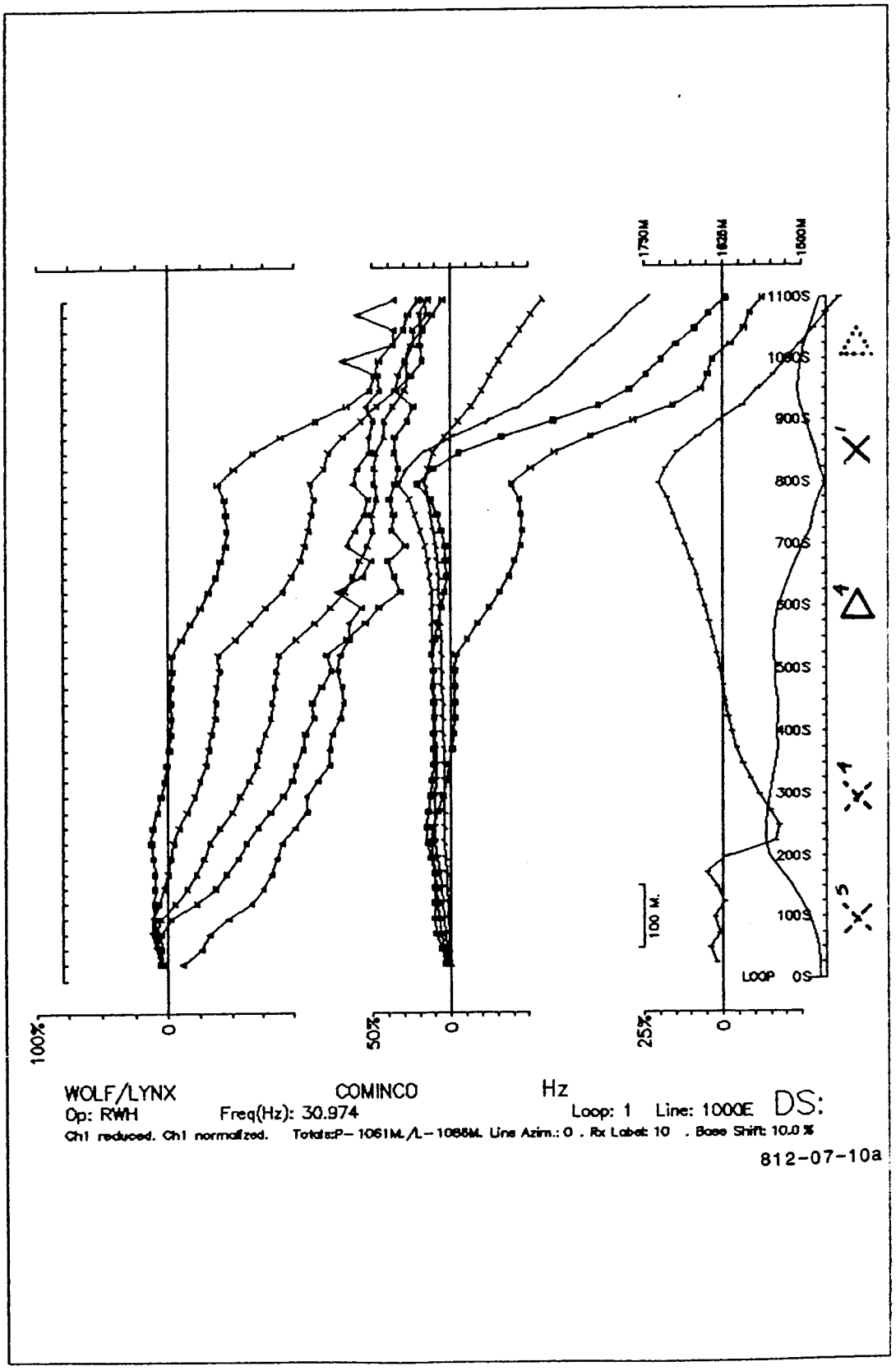

1750N
1850N
1900N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100M.
LOOP
200%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1076M./L-1101M. Line Azim.: 0 . Rx Label: 6 . Base Shift: 15.0 % Point Norm
812-07-8c

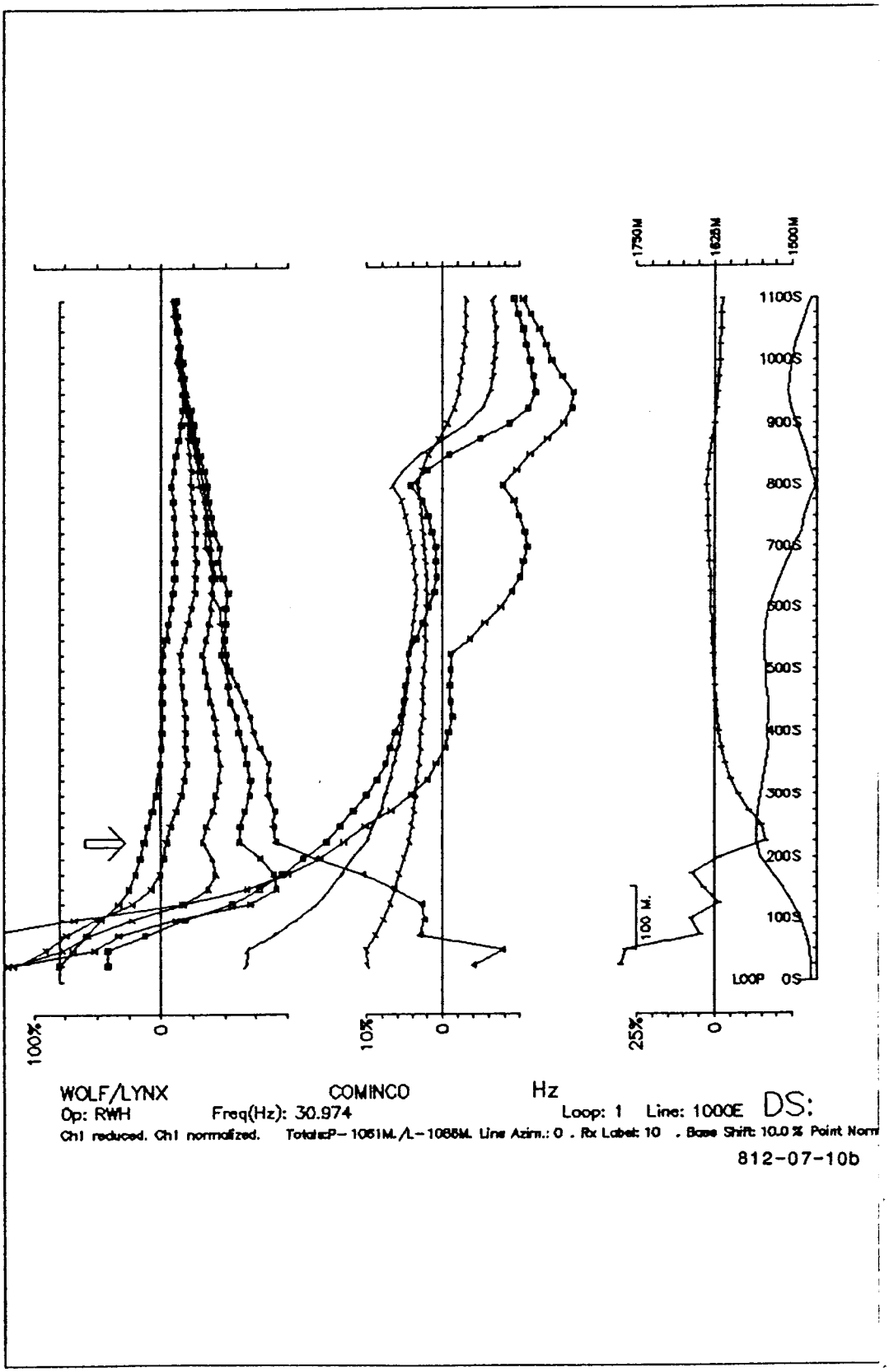

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M
LOOP
100%
50%
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 1
Line: 800E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-1053M./L-1078M. Line Azim.: 0 . Rx Label: 8 . Base Shift: 15.0 %
812-07-9a

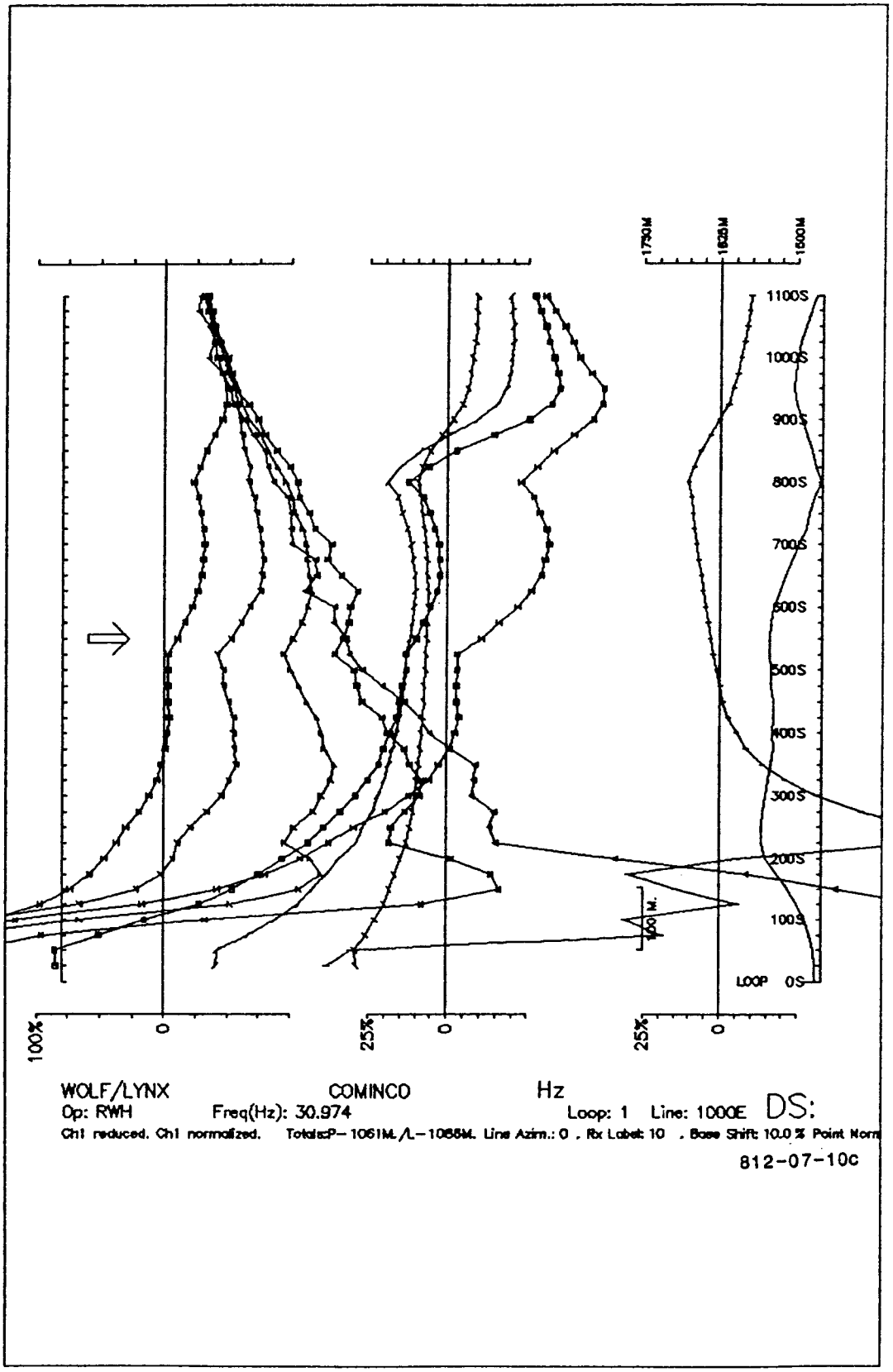

1750 M
1825 M
1900 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 %
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 800E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1053M /L-1078M. Line Azim.: 0 . Rx Label: 8 . Base Shift: 15.0 % Point Norma
812-07-9b

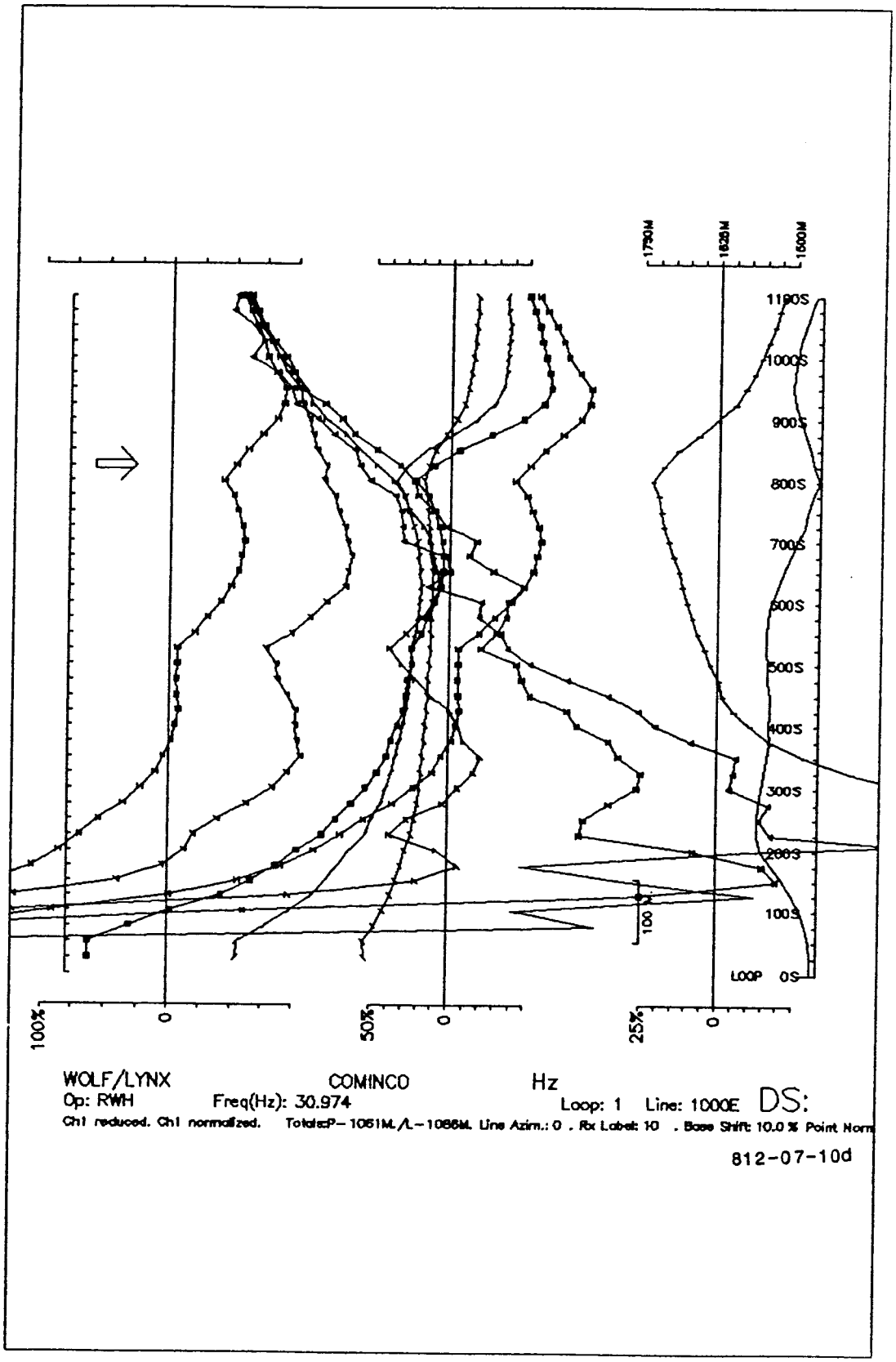

1750 M
1625 M
1500 M
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M
LOOP
100%
25%
0
25%
0
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 1
Line: 800E
DS:
Chl reduced. Chl normalized.
812-07-9c

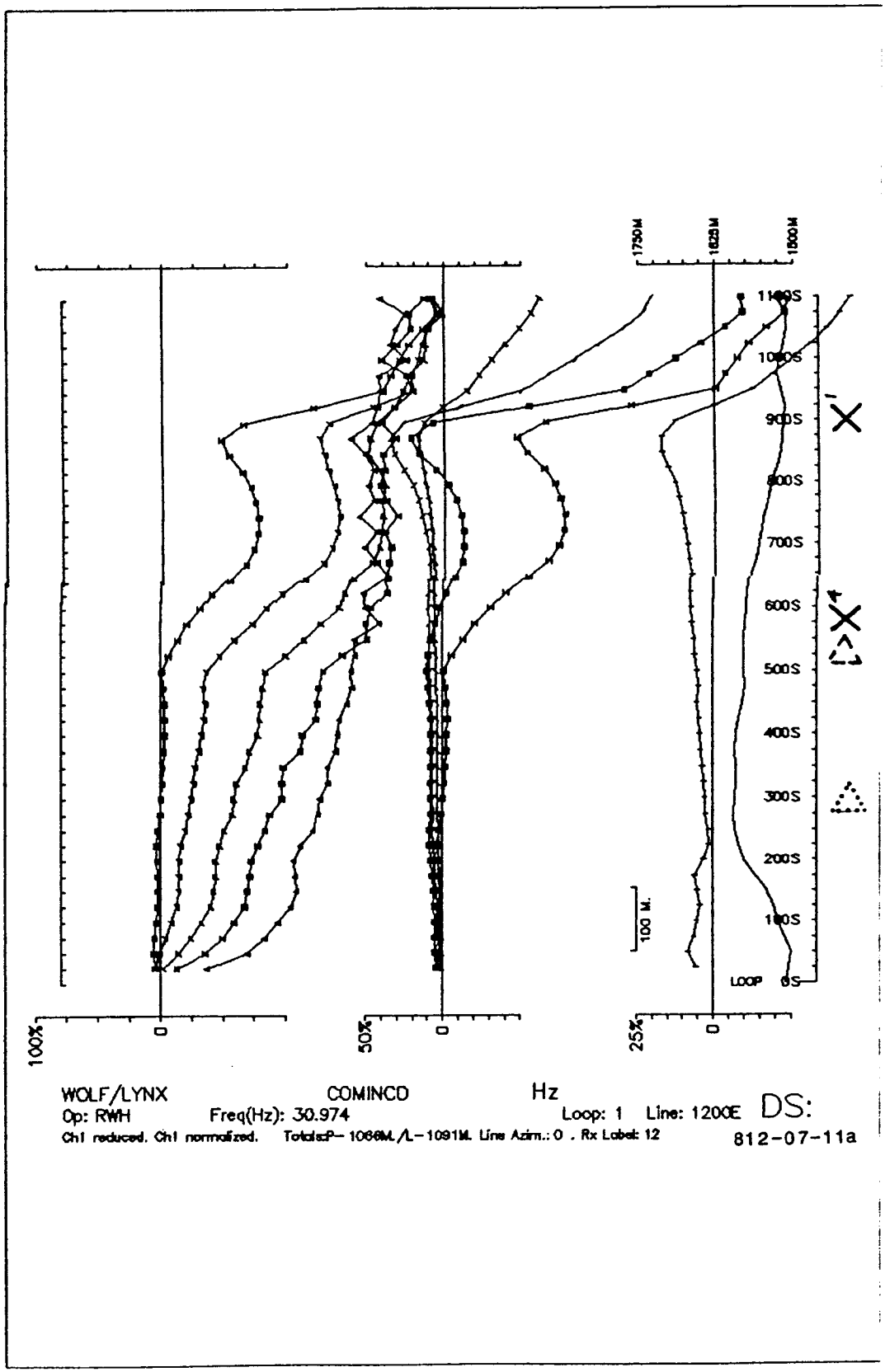

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 1 Line: 800E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1053M. /L- 1078M. Line Azim.: 0 . Rx Label: B . Base Shift: 15.0 % Point Norm
812-07-9d

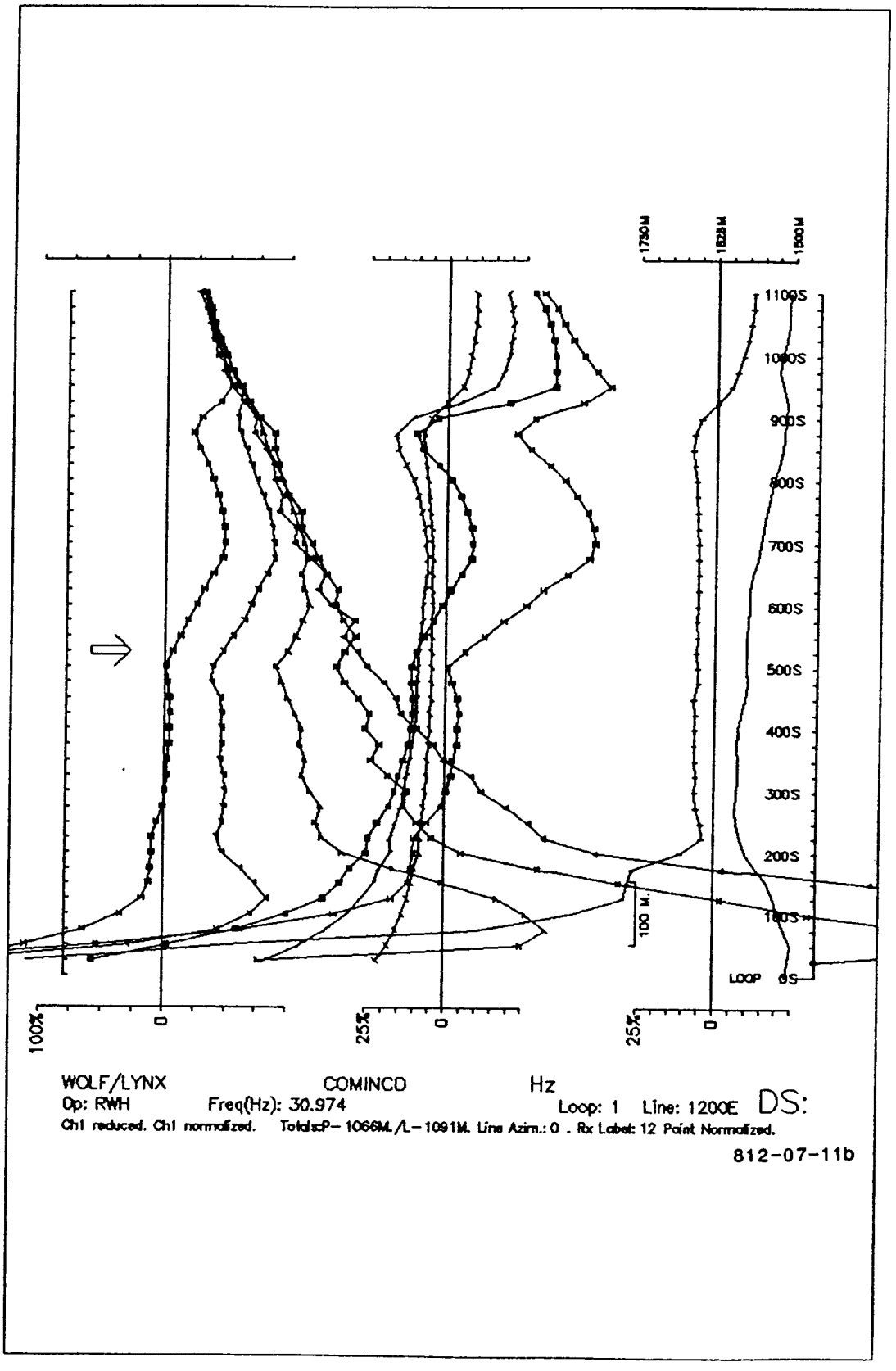

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 1000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1061M./L-1088M. Line Azim.: 0 . Rx Label: 10 . Base Shift: 10.0 %
812-07-10a

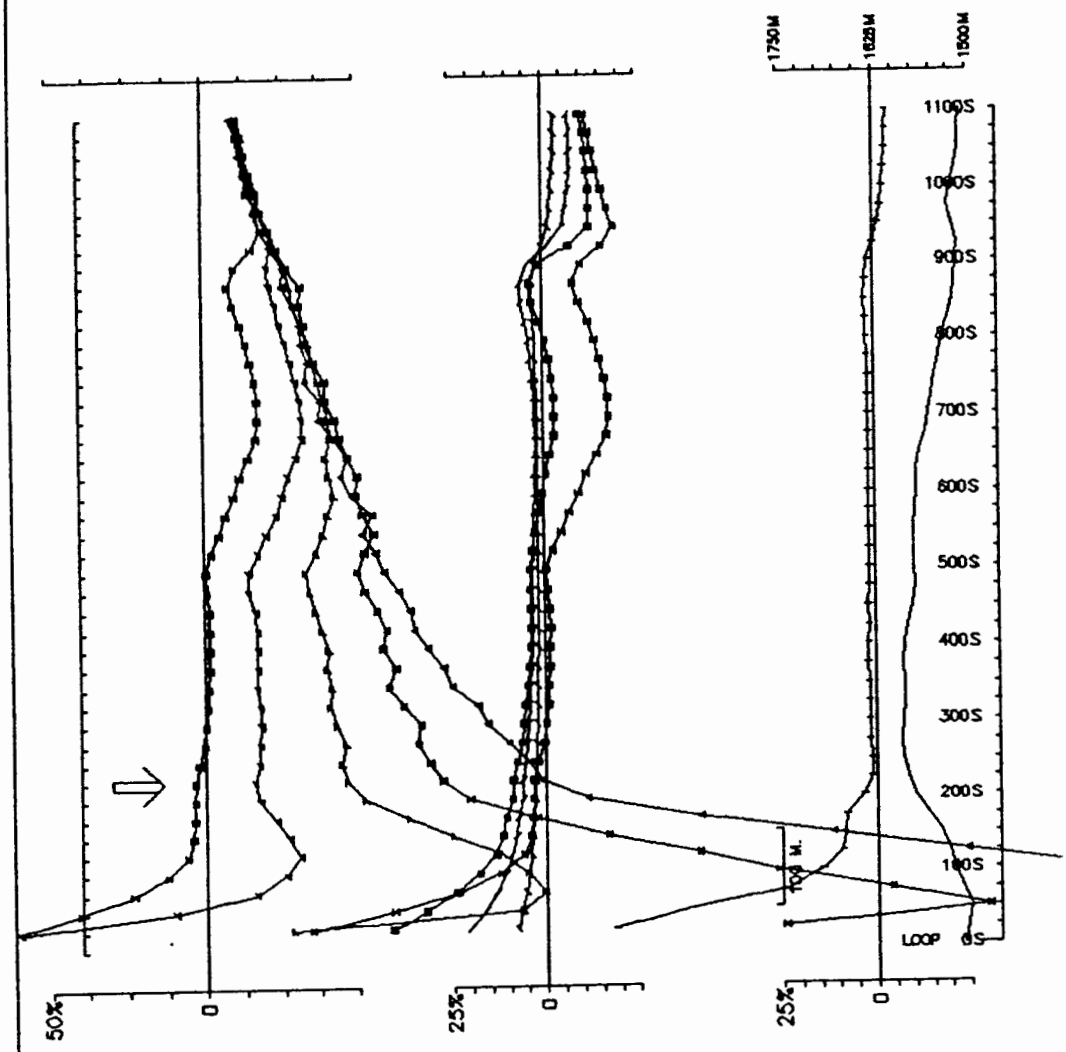

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
10%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 1000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1051M./L-1088M. Line Azim.: 0 . Rx Label: 10 . Base Shift: 10.0 % Point Norm
812-07-10b


1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100M.
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 1000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1061M./L-1065M. Line Azim.: 0 . Rx Label: 10 . Base Shift: 10.0 % Point Norm
812-07-10C


1790M
1628M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 1000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1051M/L-1086M. Line Azim.: 0 . Rx Label: 10 . Base Shift: 10.0 % Point Norm
812-07-10d


1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
50%
25%
0
0
0
X'
X
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 1200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1066M./L-1091M. Line Azim.: 0 . Rx Label: 12
812-07-11a


1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1
Line: 1200E
DS:
Chl reduced. Chl normalized.
Totals:P-1066M./L-1091M. Line Azim.: 0 . Rx Label: 12 Point Normalized.
812-07-11b

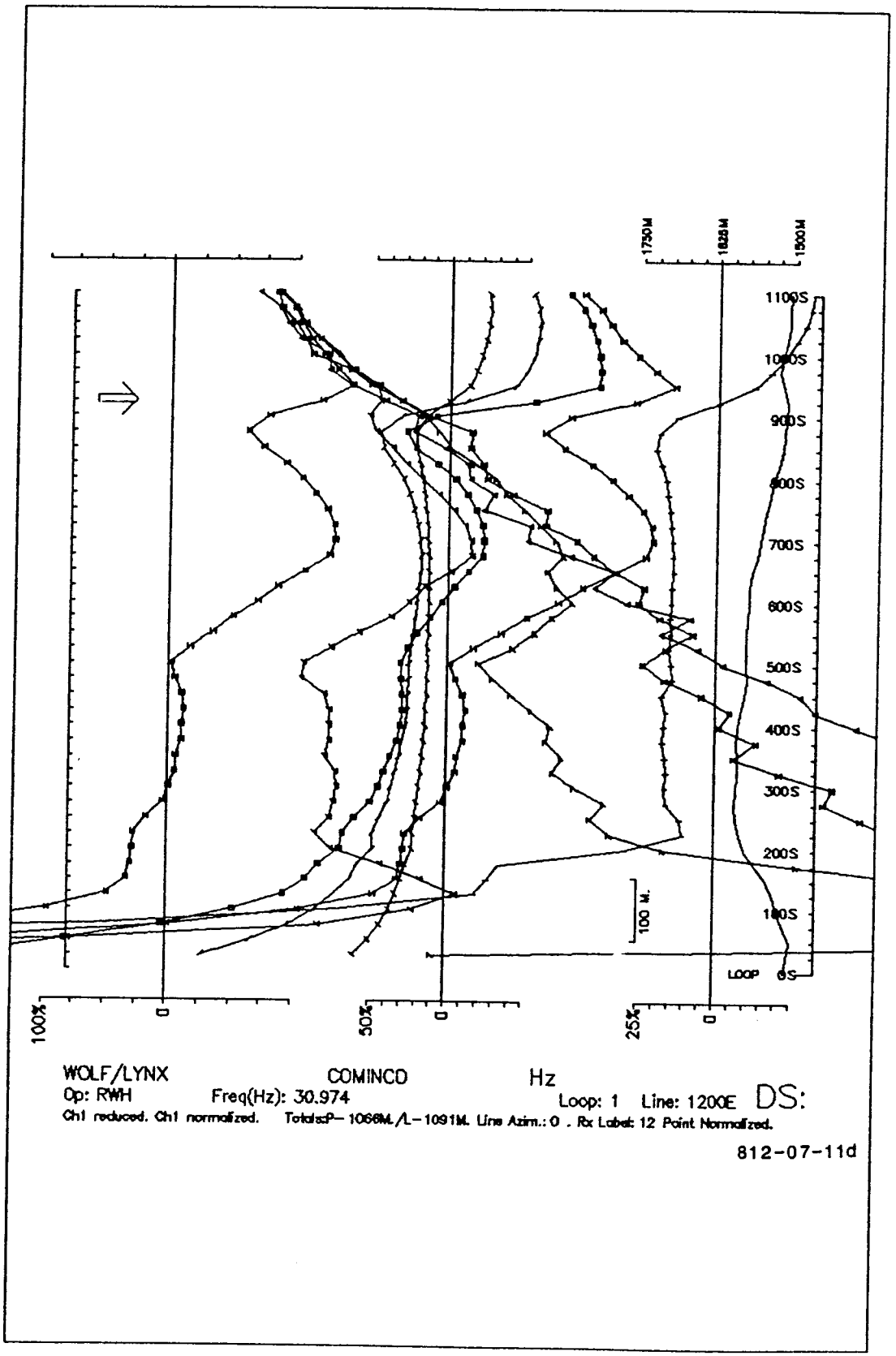


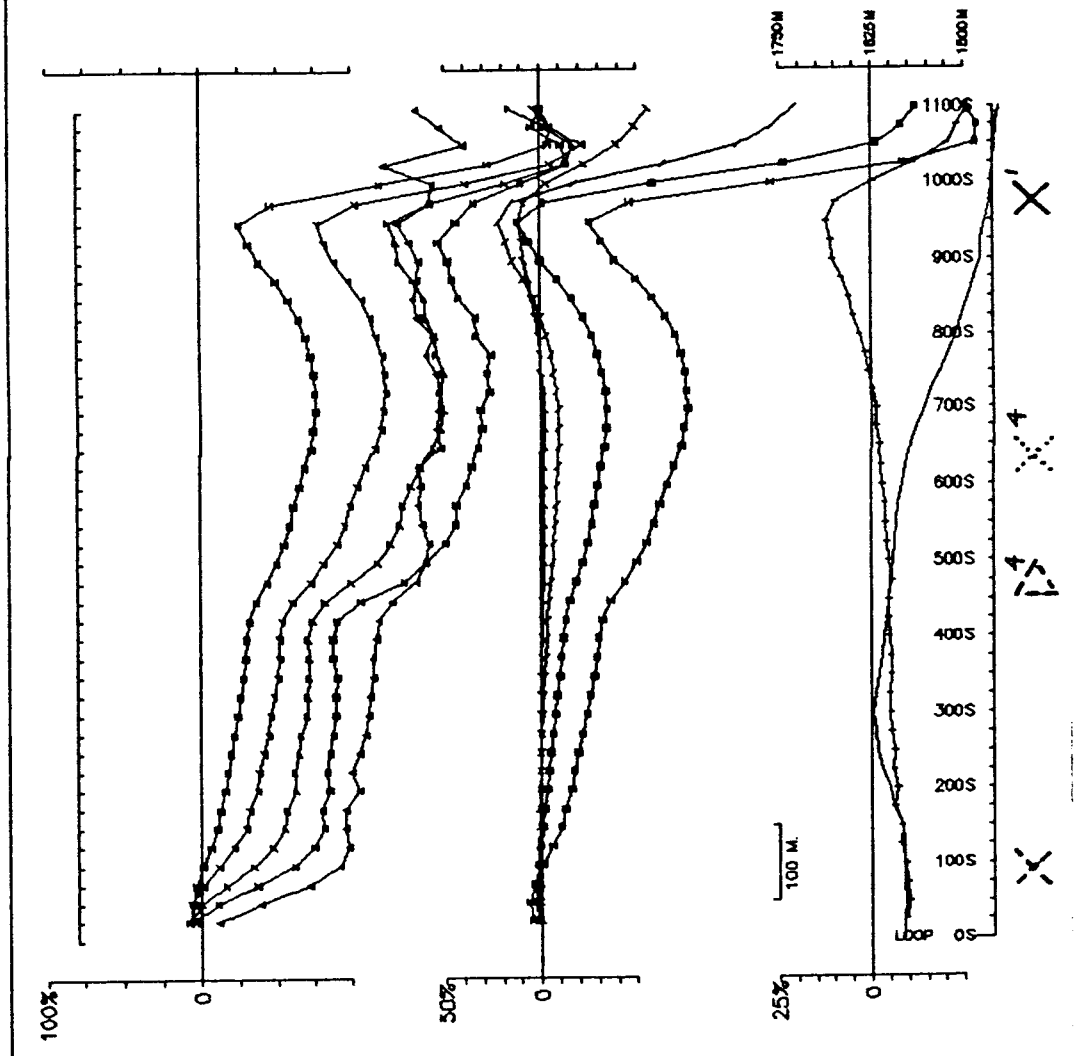
WOLF/LYNX COMINCO Hz

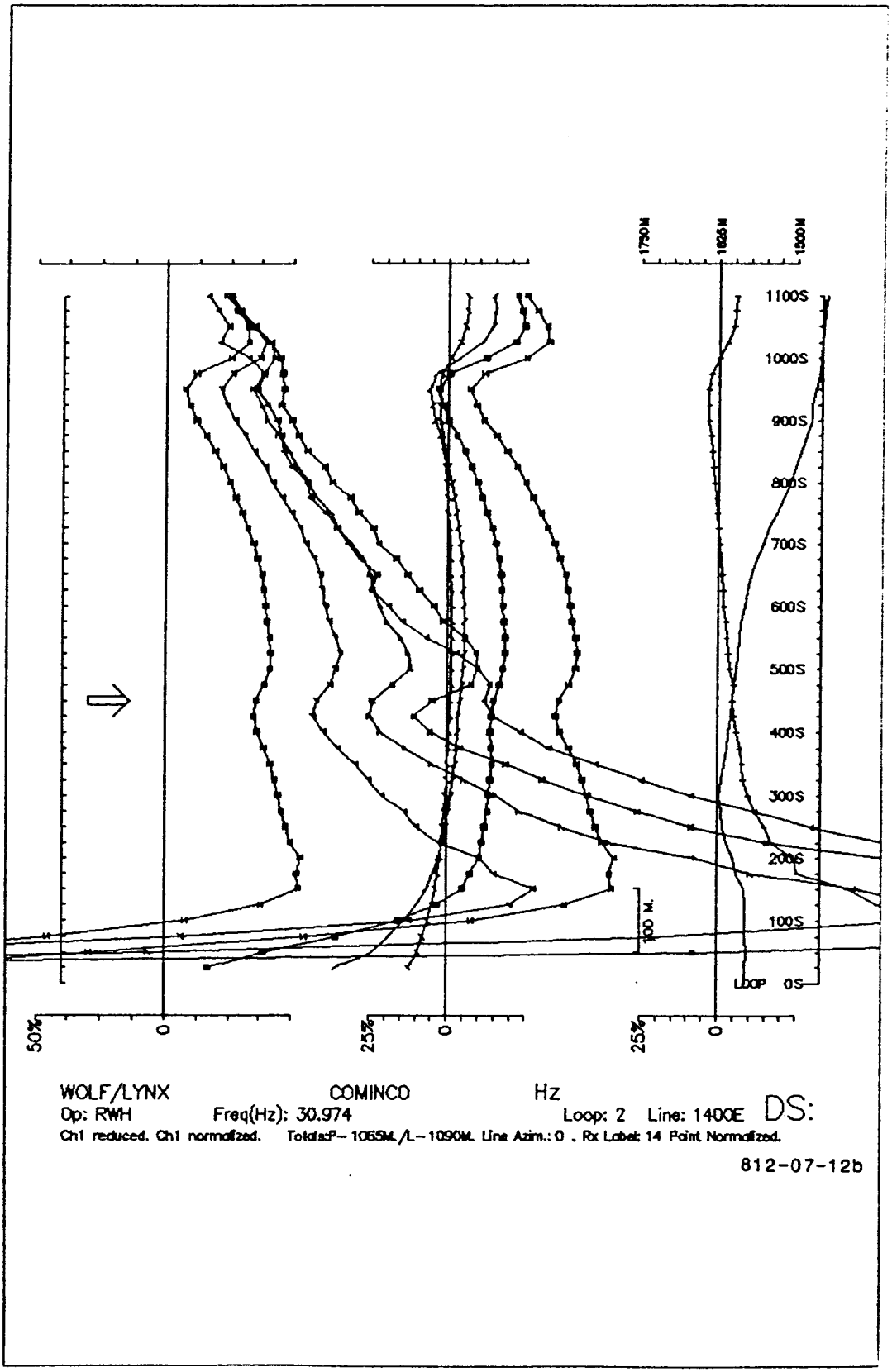
Op: RWH Freq(Hz): 30.974 Loop: 1 Line: 1200E DS:

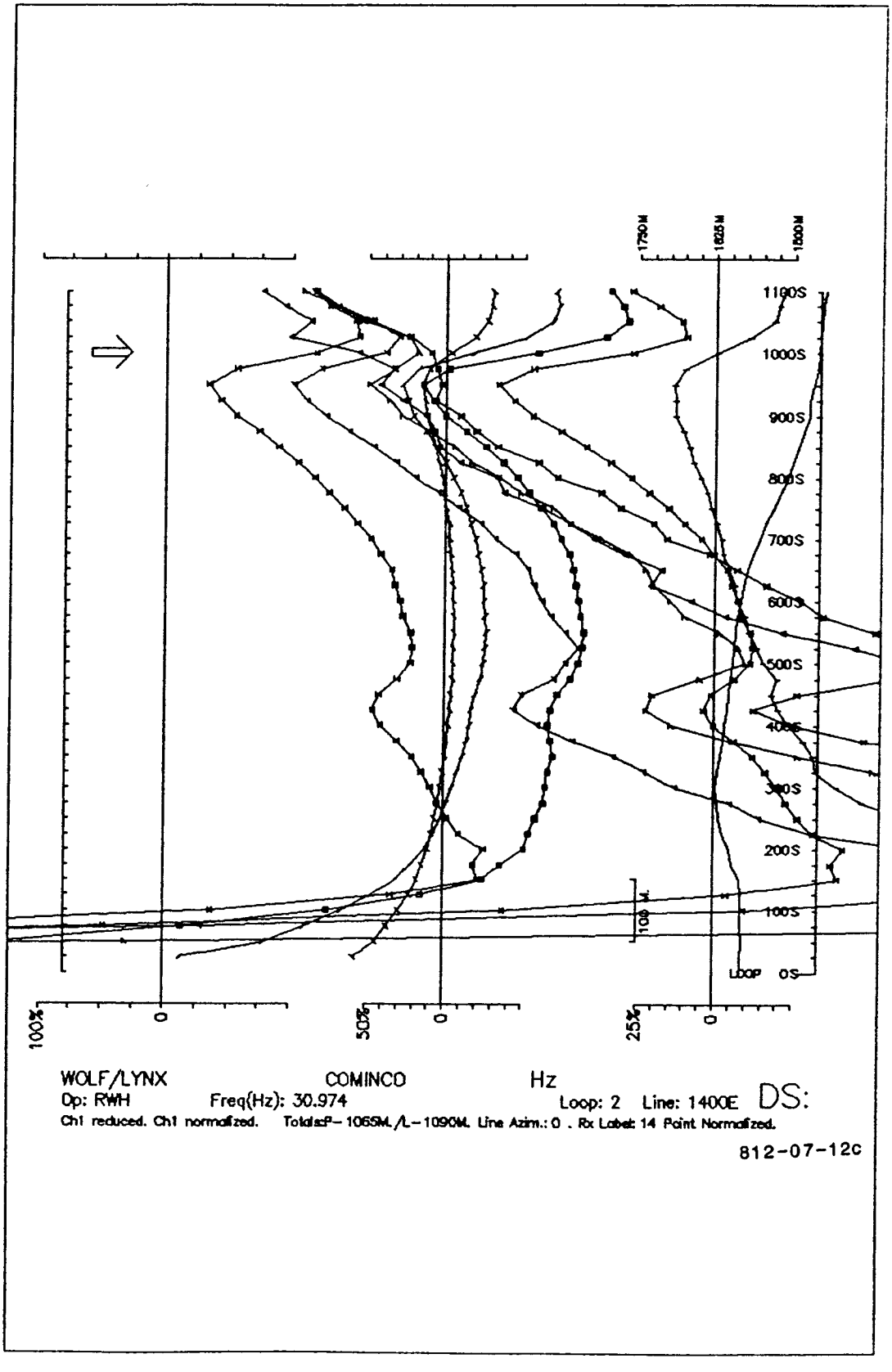
Ch1 reduced. Ch1 normalized. Totals:P-1066M./L-1091M. Line Azim.: 0 . Rx Label: 12 Point Normalized.

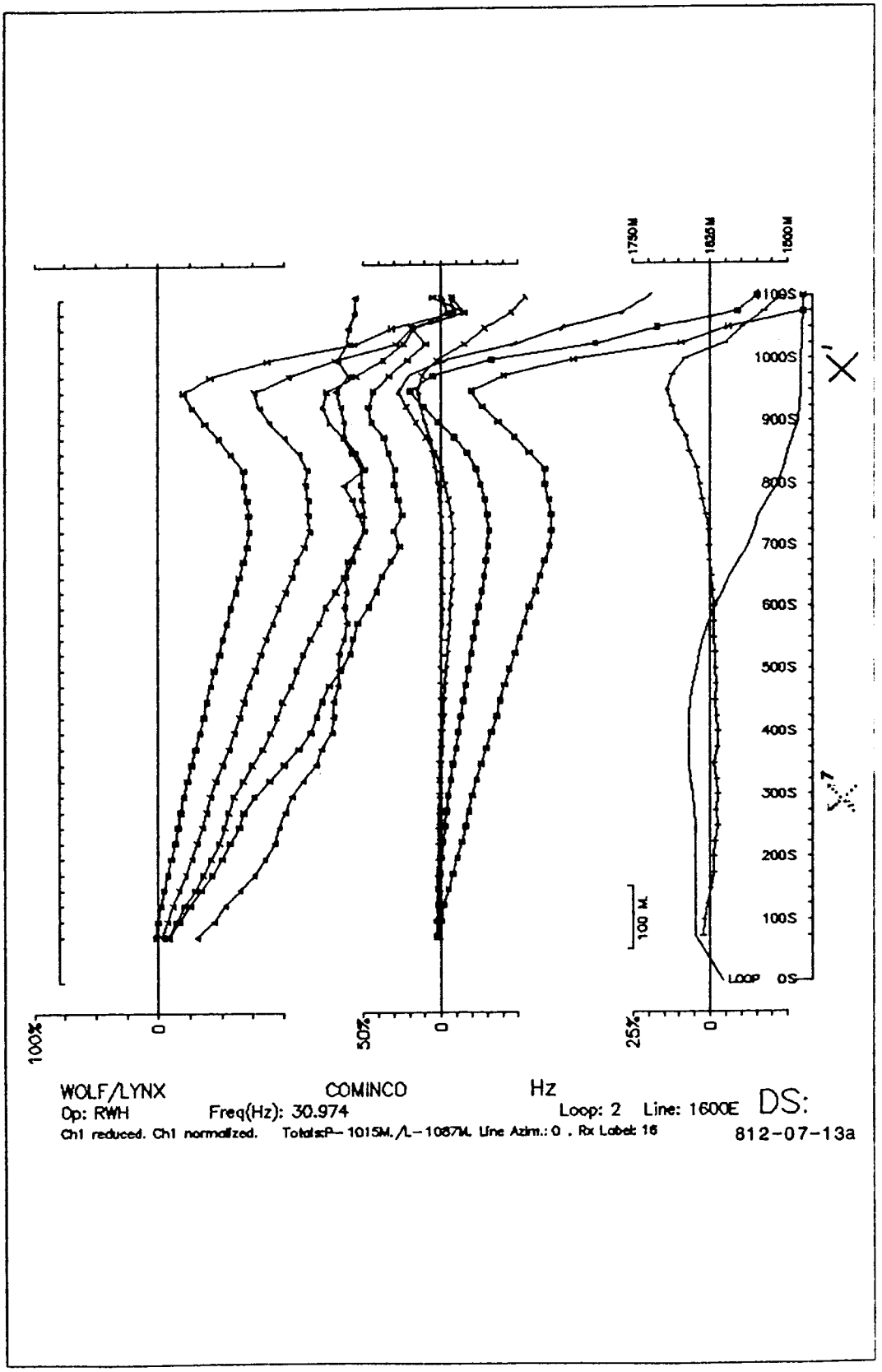
812-07-11c

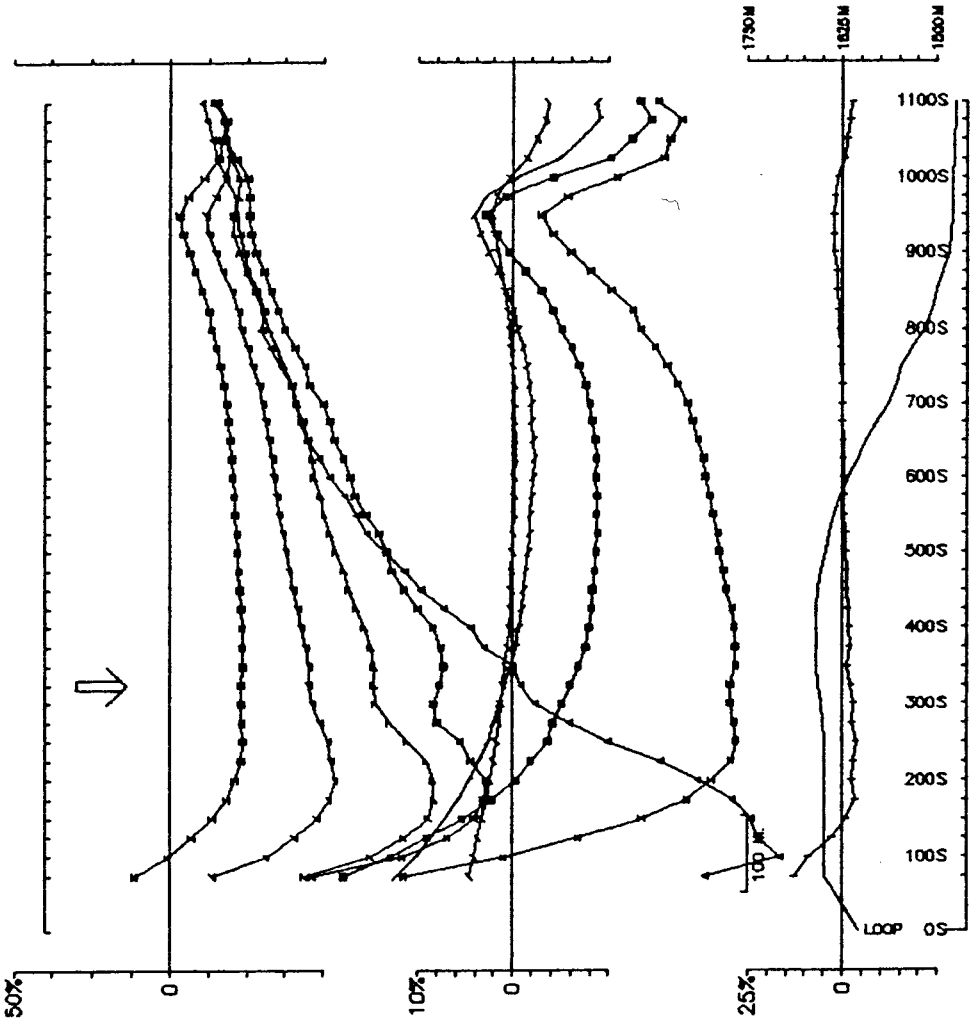

1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 1 Line: 1200E DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1066M./L-1091M. Line Azim.: 0 . Rx Label: 12 Point Normalized.
812-07-11d


1750N
1625N
1500N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
50%
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 2 Line: 1400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1065M./L-1090M. Line Azim.: 0 . Rx Label: 14
812-07-12a


1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
50%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 1400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1065M./L-1090M. Line Azim.: 0 . Rx Label: 14 Point Normalized.
812-07-12b


1790M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 2 Line: 1400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1065M./L-1090M. Line Azim.: 0 . Rx Label: 14 Point Normalized.
812-07-12C


1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 1600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1015M./L-1087M. Line Azim.: 0 . Rx Label: 16
812-07-13a

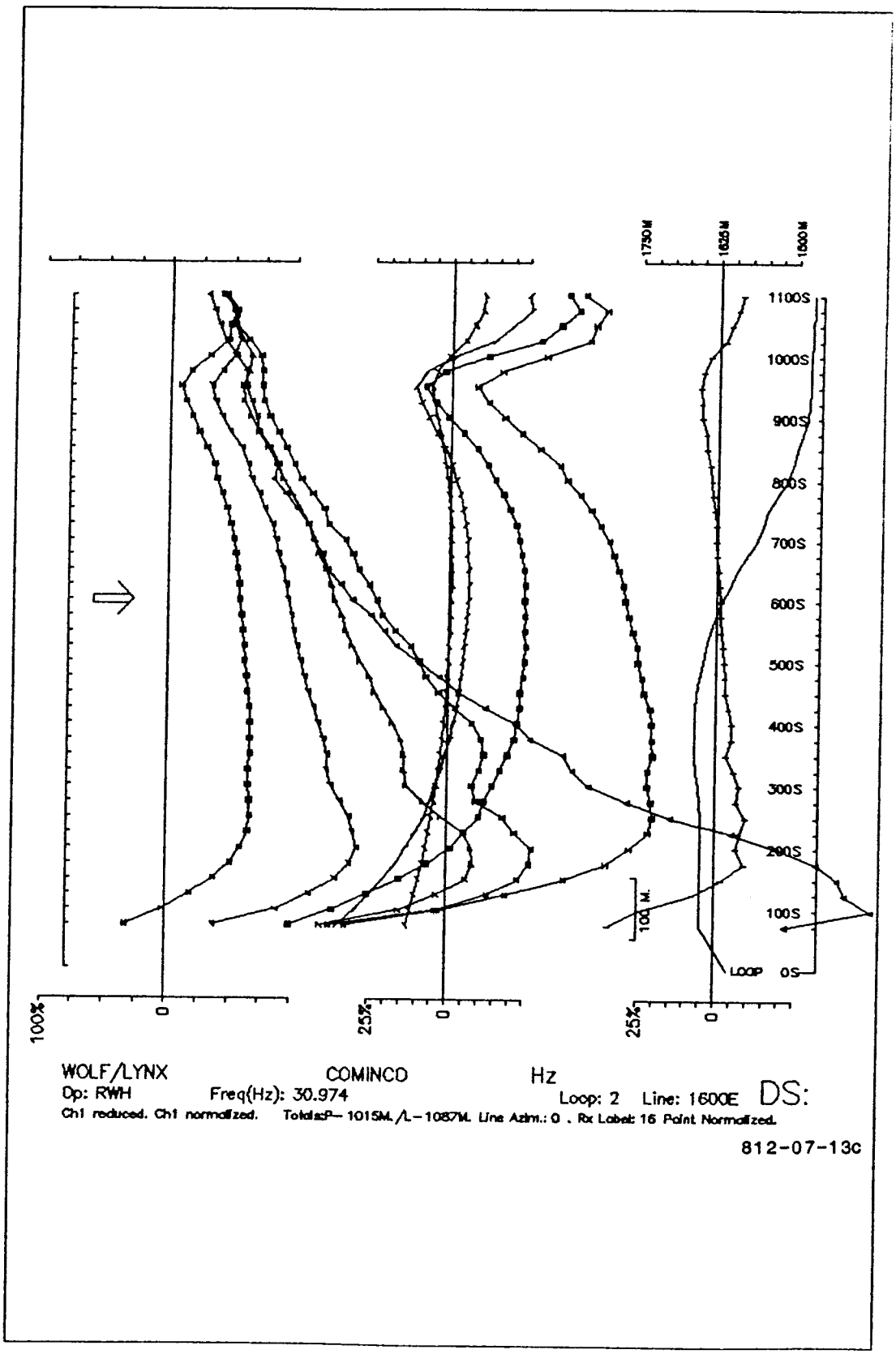


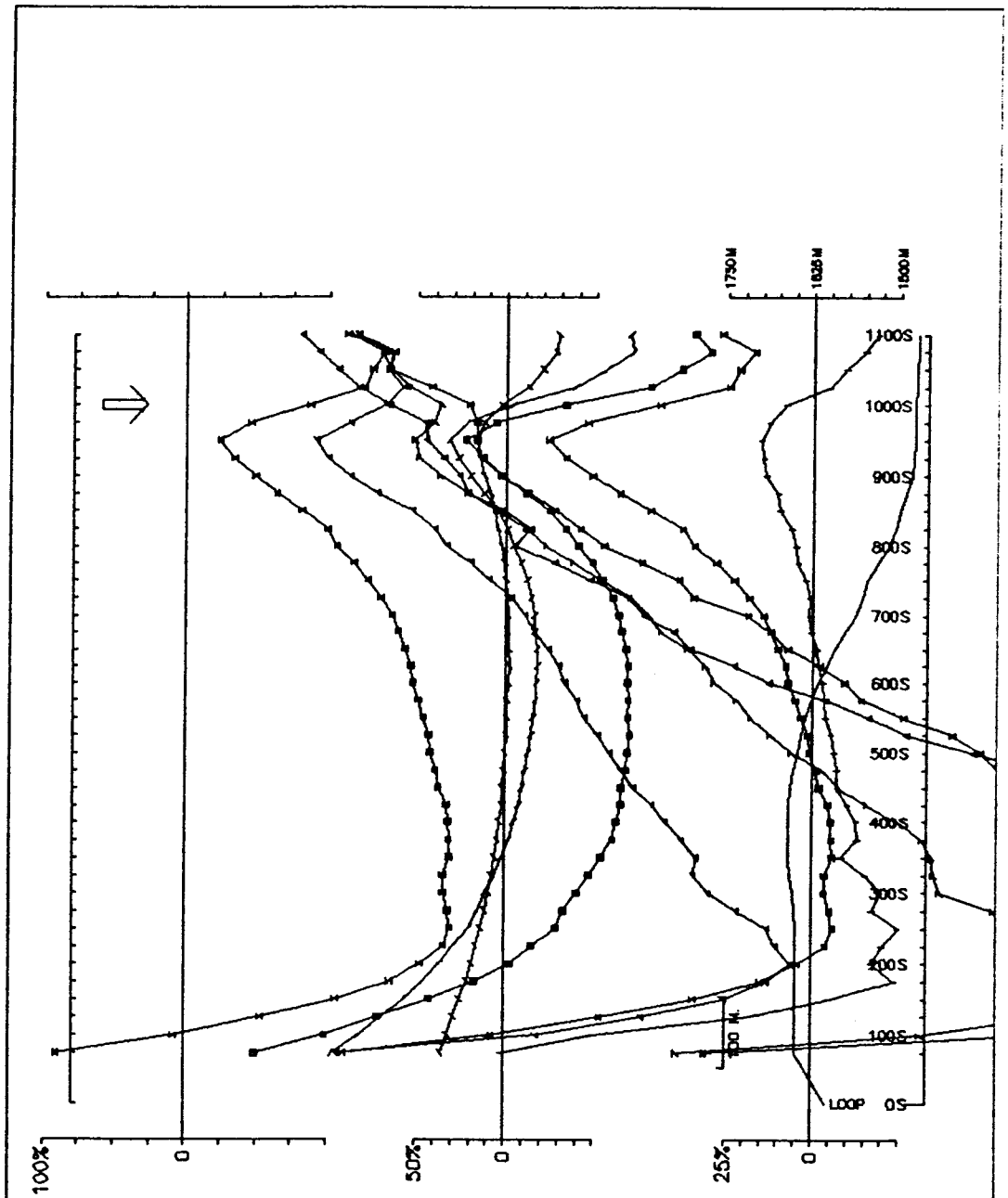
WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 2 Line: 1600E DS:

Ch1 reduced. Ch1 normalized. Totals:P- 1015M,/L-1057M. Line Azim.: 0 . Rx Label: 16 Point Normalized.

812-07-13b


1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 2 Line: 1600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1015M./L-1087M. Line Azim.: 0 . Rx Label: 16 Point Normalized.
812-07-13c

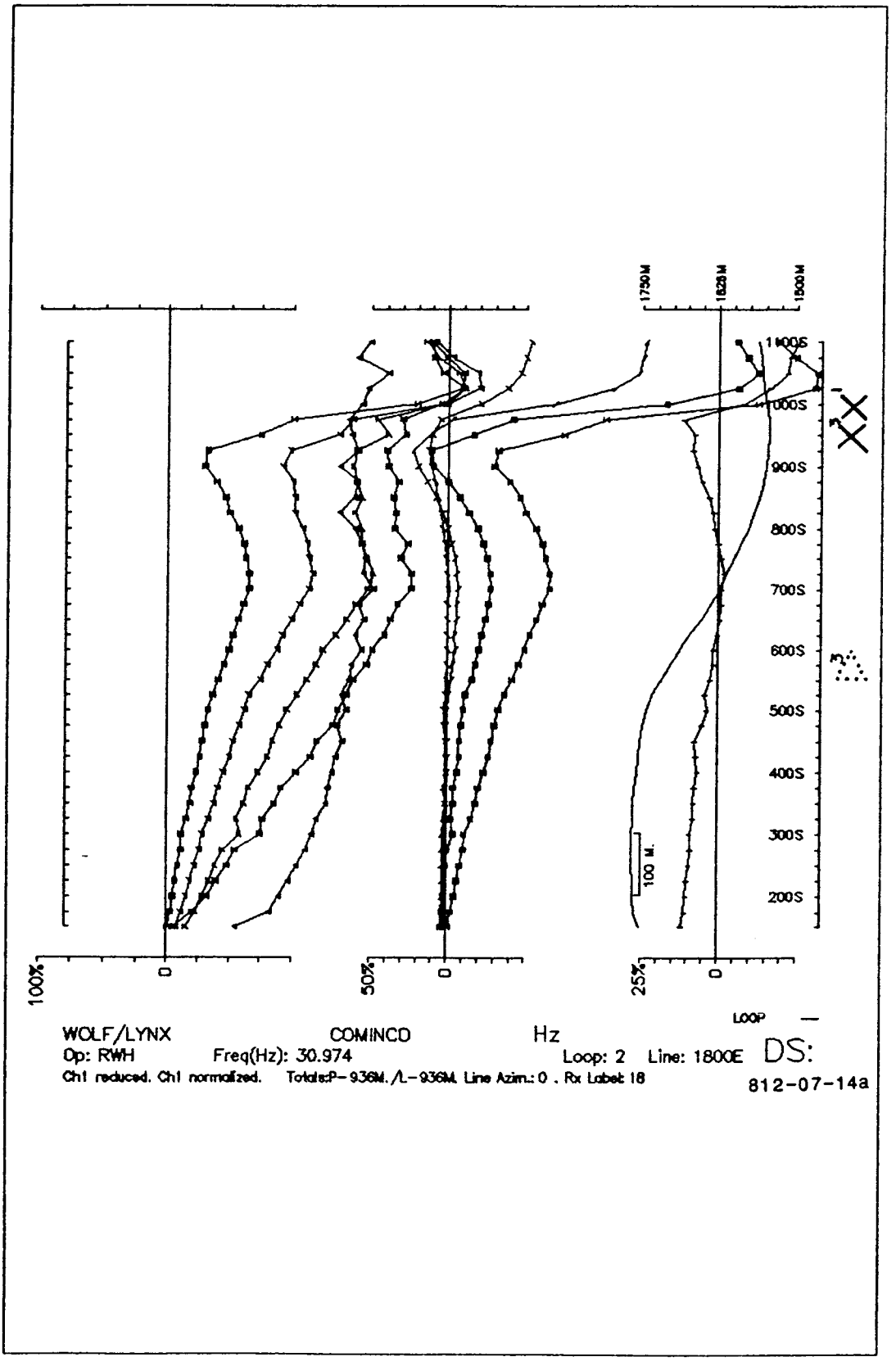


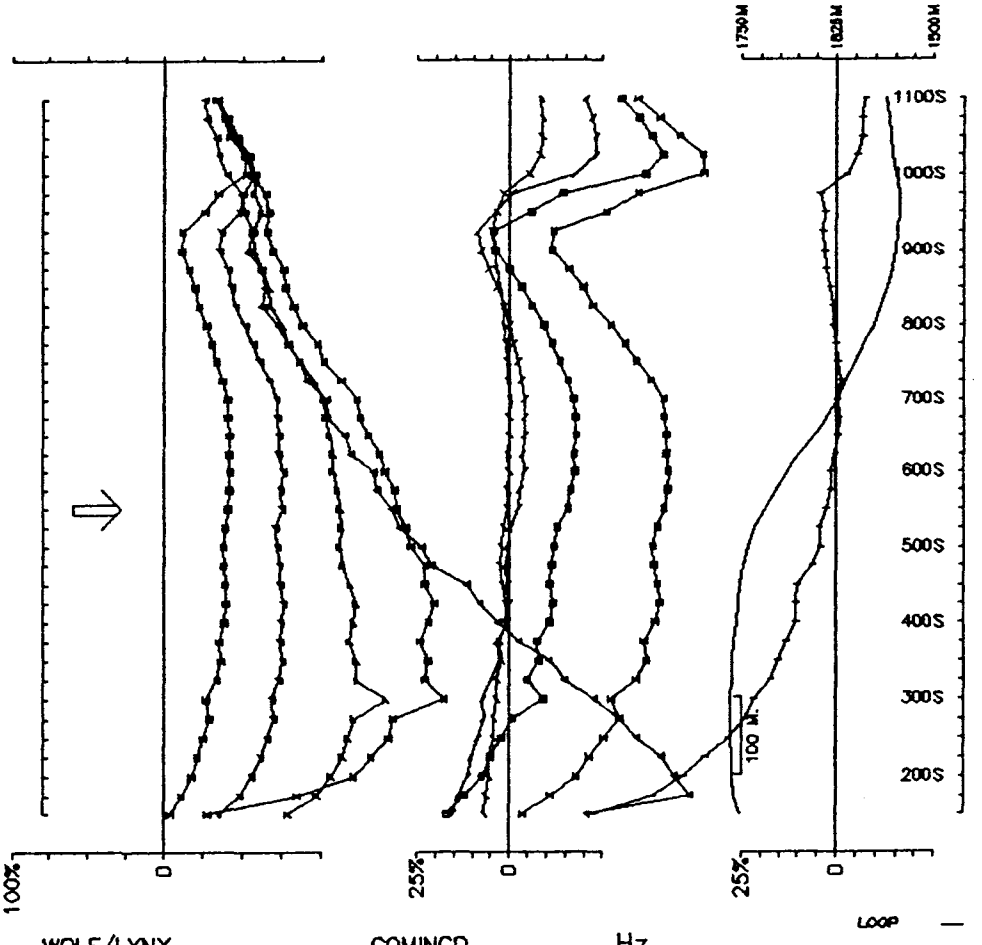
WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 2 Line: 1600E DS:

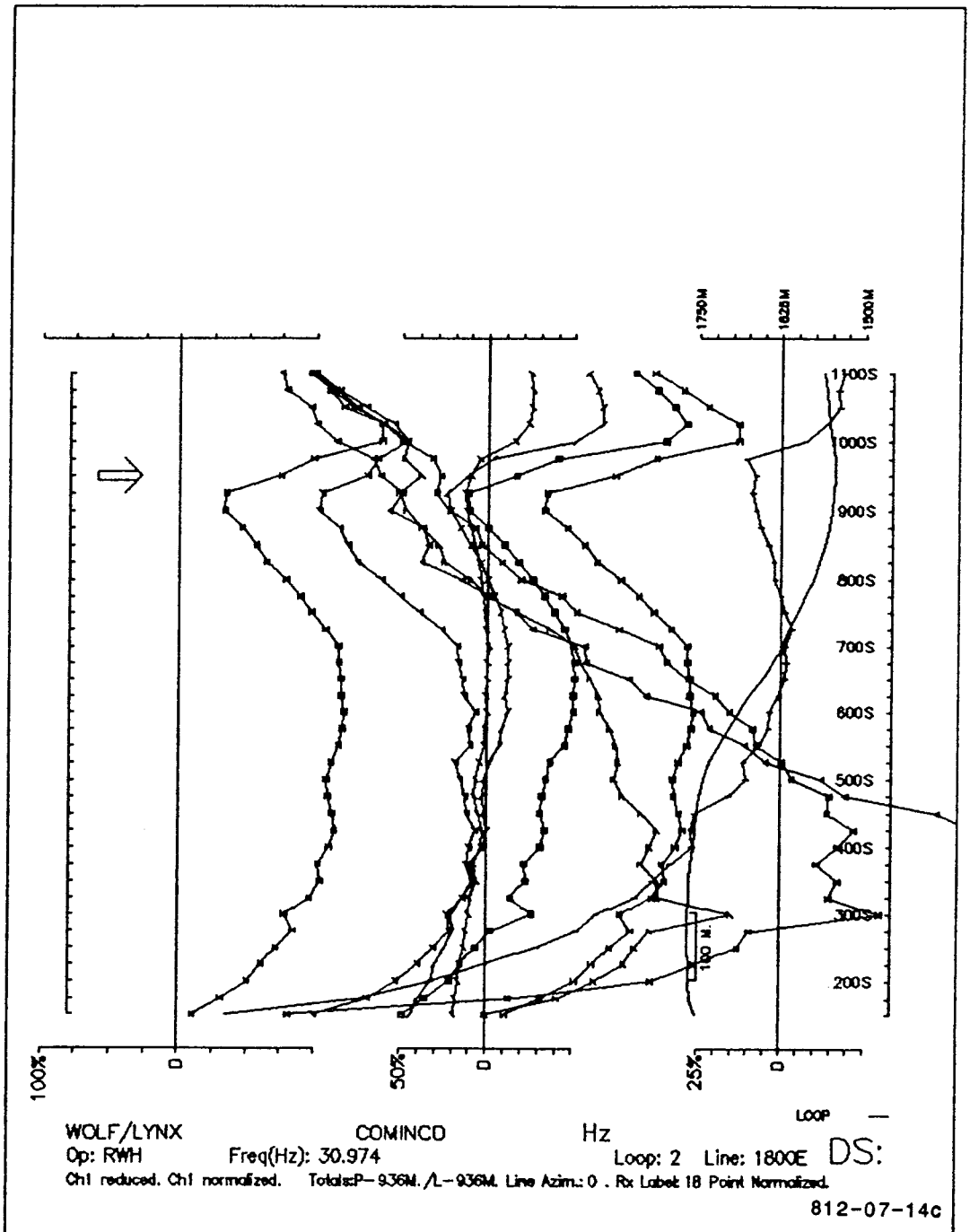
Ch1 reduced. Ch1 normalized. Totals:P-1015M./L-1087M. Line Azim.: 0 . Rx Label: 16 Point Normalized.

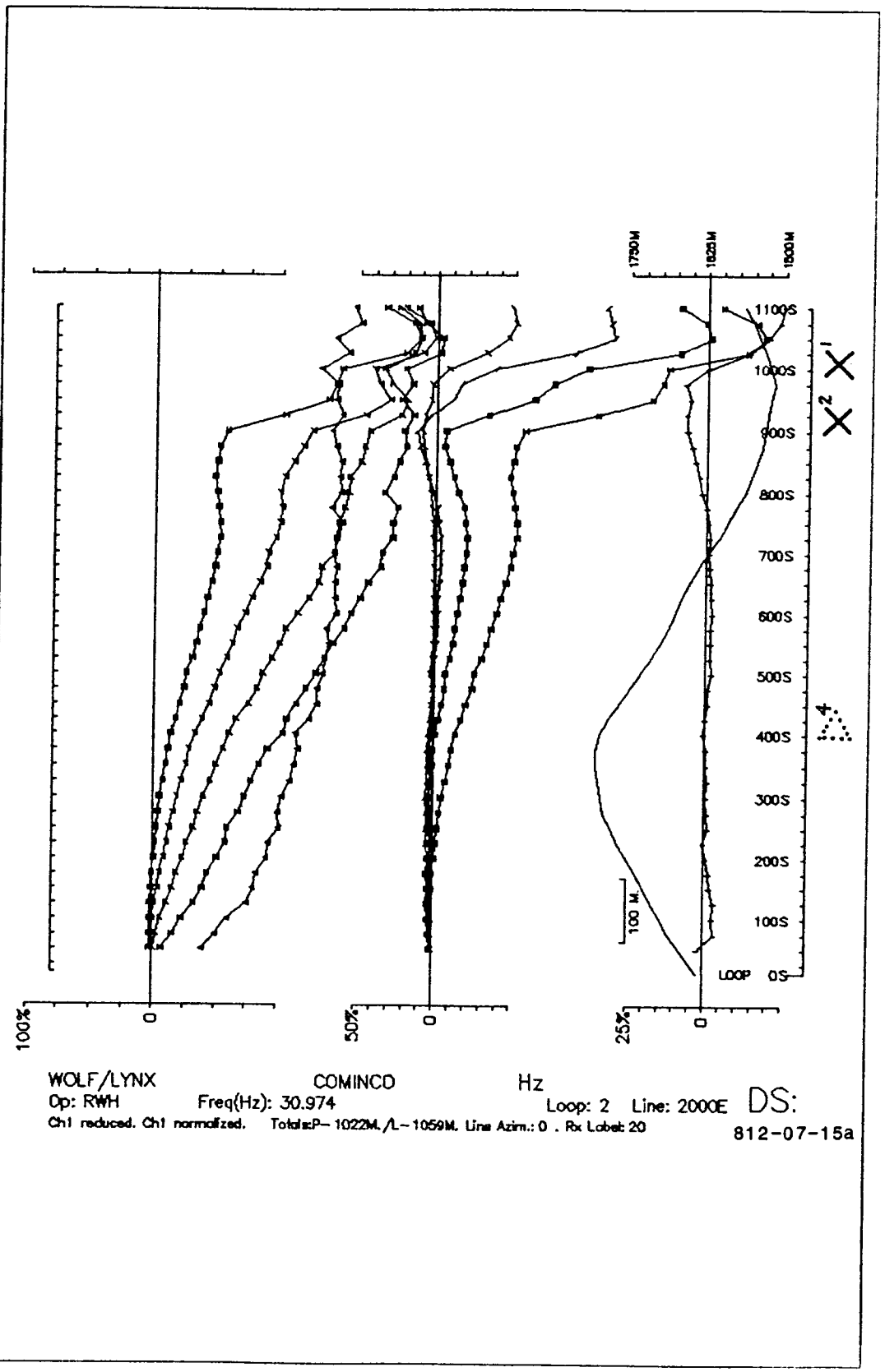
812-07-13d

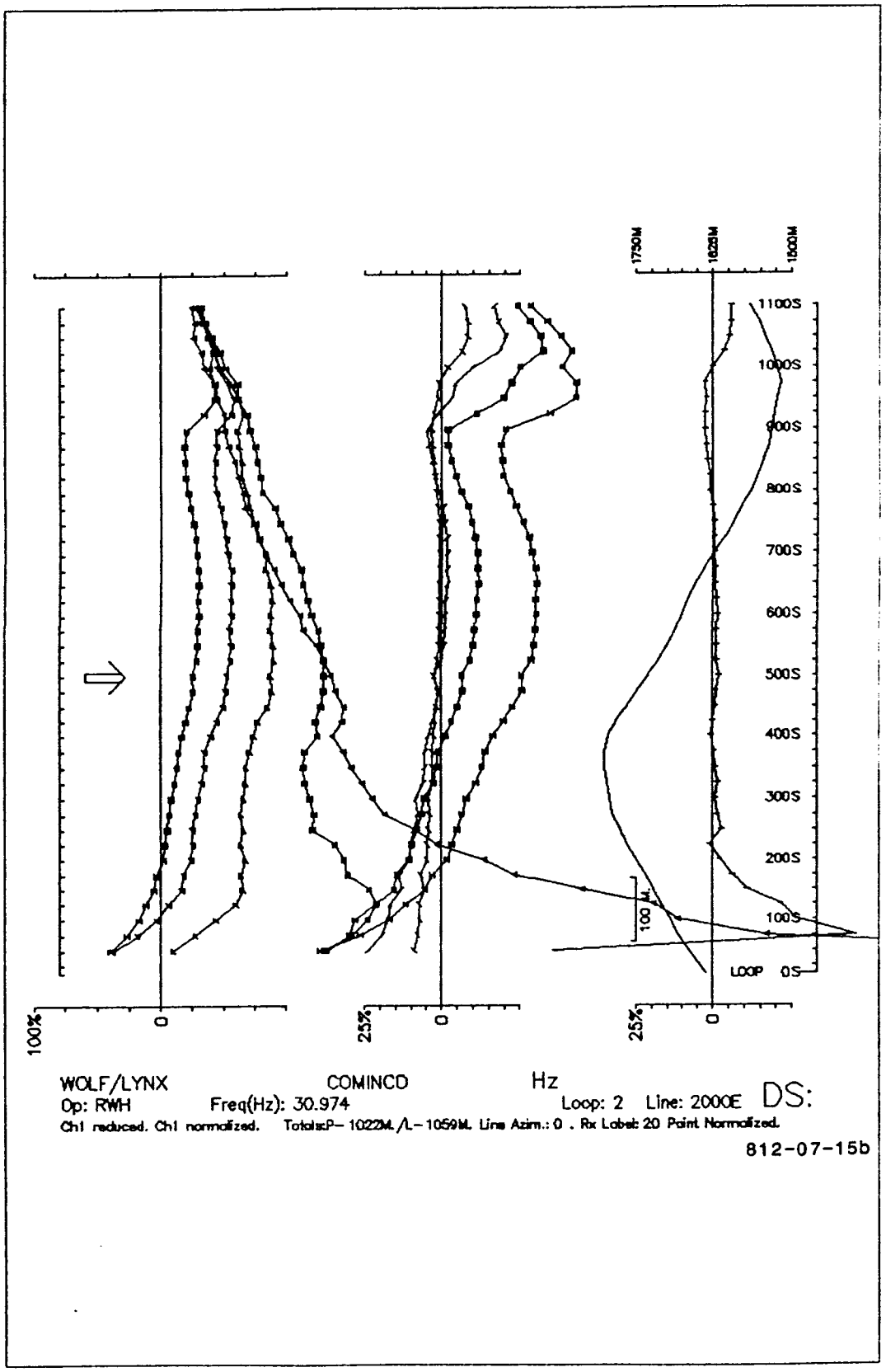

1750M
1825M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100 M.
100%
0
50%
0
25%
0
LOOP
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2
Line: 1800E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-936M./L-936M. Line Azim.: 0 . Rx Label: 18
812-07-14a

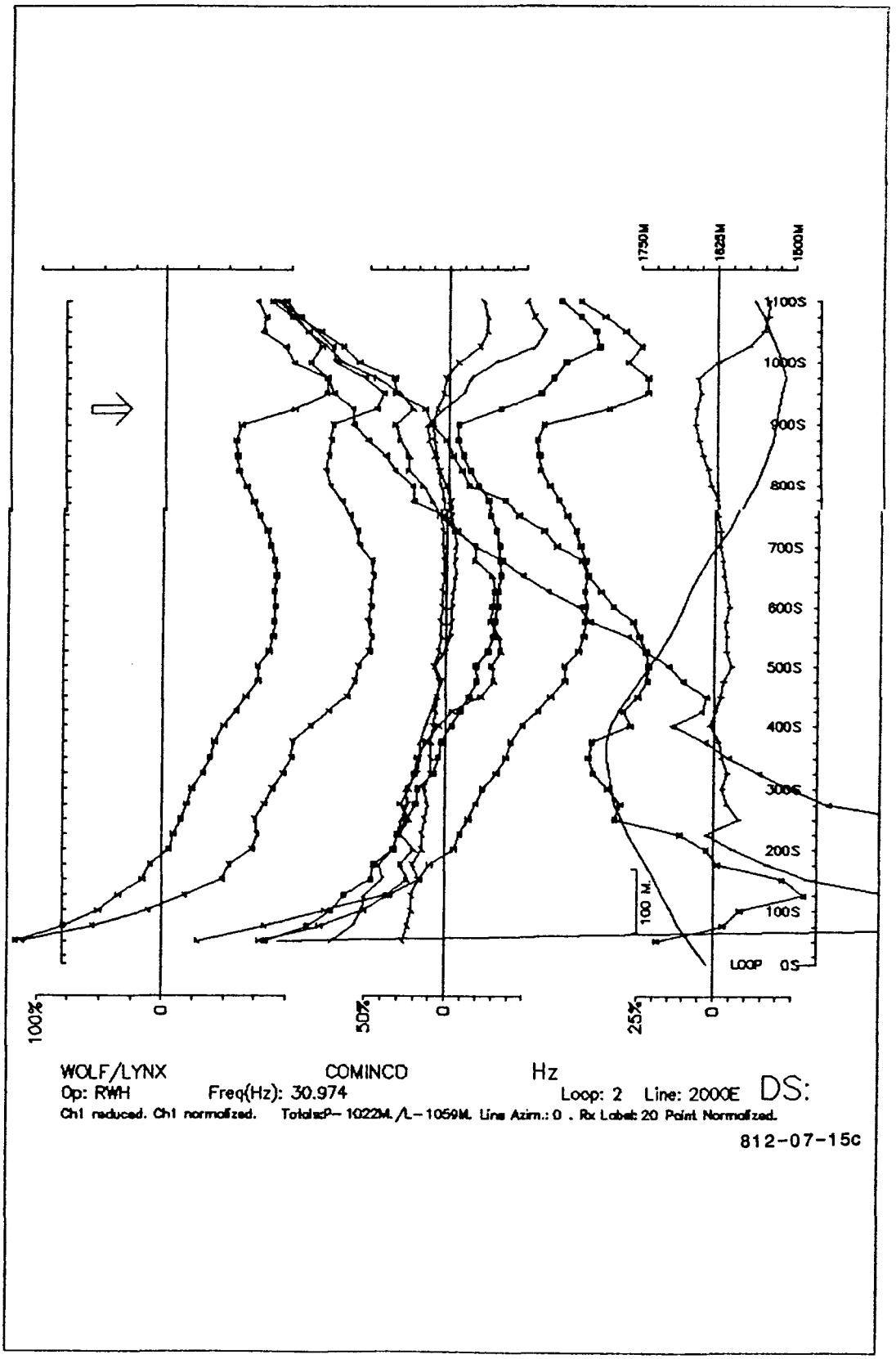

1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100 M.
100%
0
25%
0
25%
0
LOOP
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2
Line: 1800E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-936M./L-936M. Line Azim.: 0 . Rx Label: 18 Point Normalized.

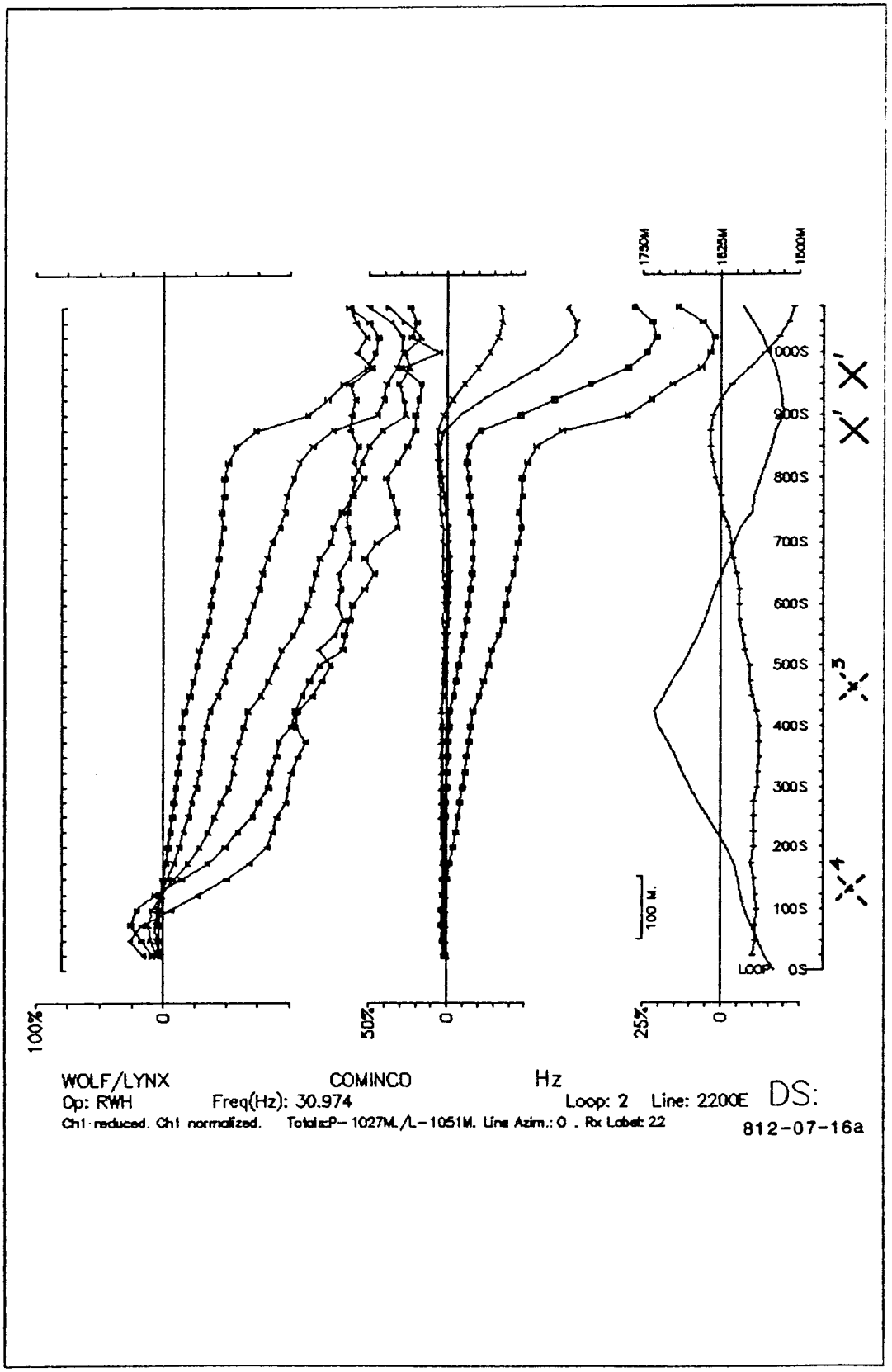
812-07-14b

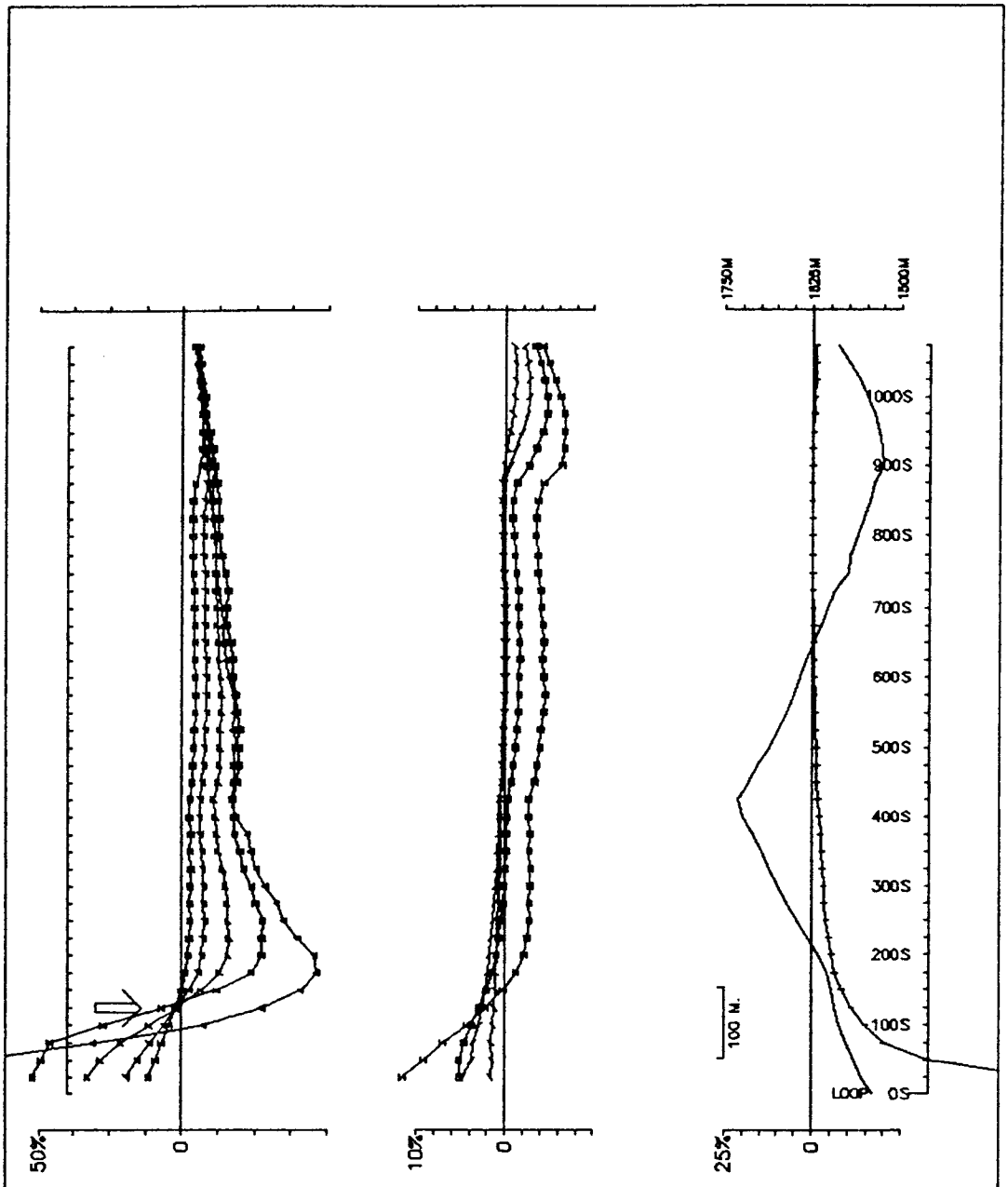

1750M
1628M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100 M.
100%
0
50%
0
25%
0
LOOP
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 1800E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-936M./L-936M. Line Azim.: 0 . Rx Label 18 Point Normalized.
812-07-14c


1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100 M
X1
X2
100%
50%
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 2000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1022M./L-1059M. Line Azim.: 0 . Rx Label: 20
812-07-15a


1750M
1825M
1900M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 2000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1022M./L- 1059M. Line Azim.: 0 . Rx Label: 20 Point Normalized.
812-07-15b


1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 2000E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1022M./L- 1059M. Line Azim.: 0 . Rx Label: 20 Point Normalized.
812-07-15c


1750M
1825M
1900M
000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 2200E
DS:
Ch1-reduced. Ch1 normalized. Totals:P-1027M./L-1051M. Line Azim.: 0 . Rx Label: 22
812-07-16a

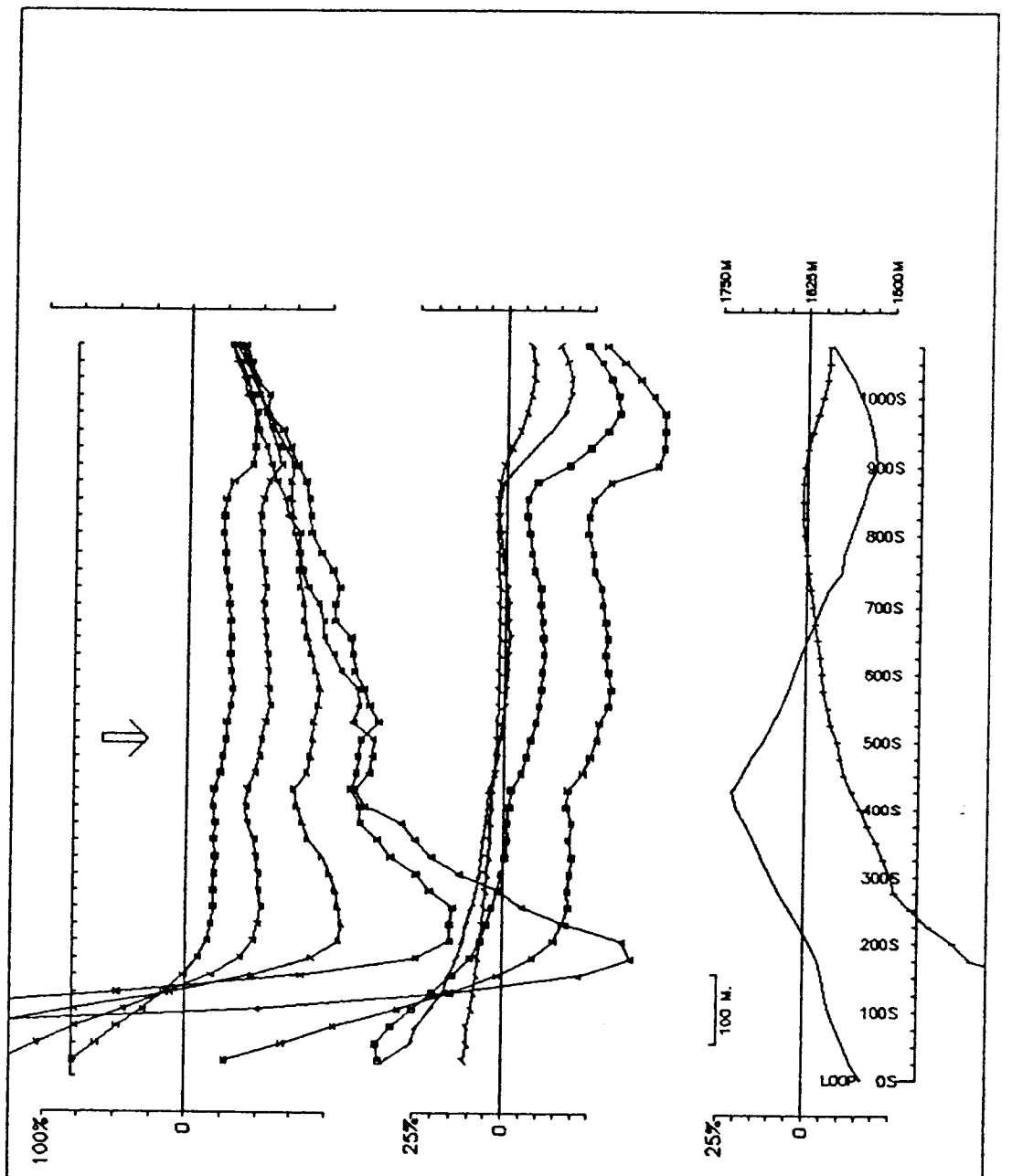


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 2 Line: 2200E DS:

Ch1 reduced. Ch1 normalized. Totals:P- 1027M./L-1051M. Line Azim.: 0 . Rx Label: 22 Point Normalized.

812-07-16b

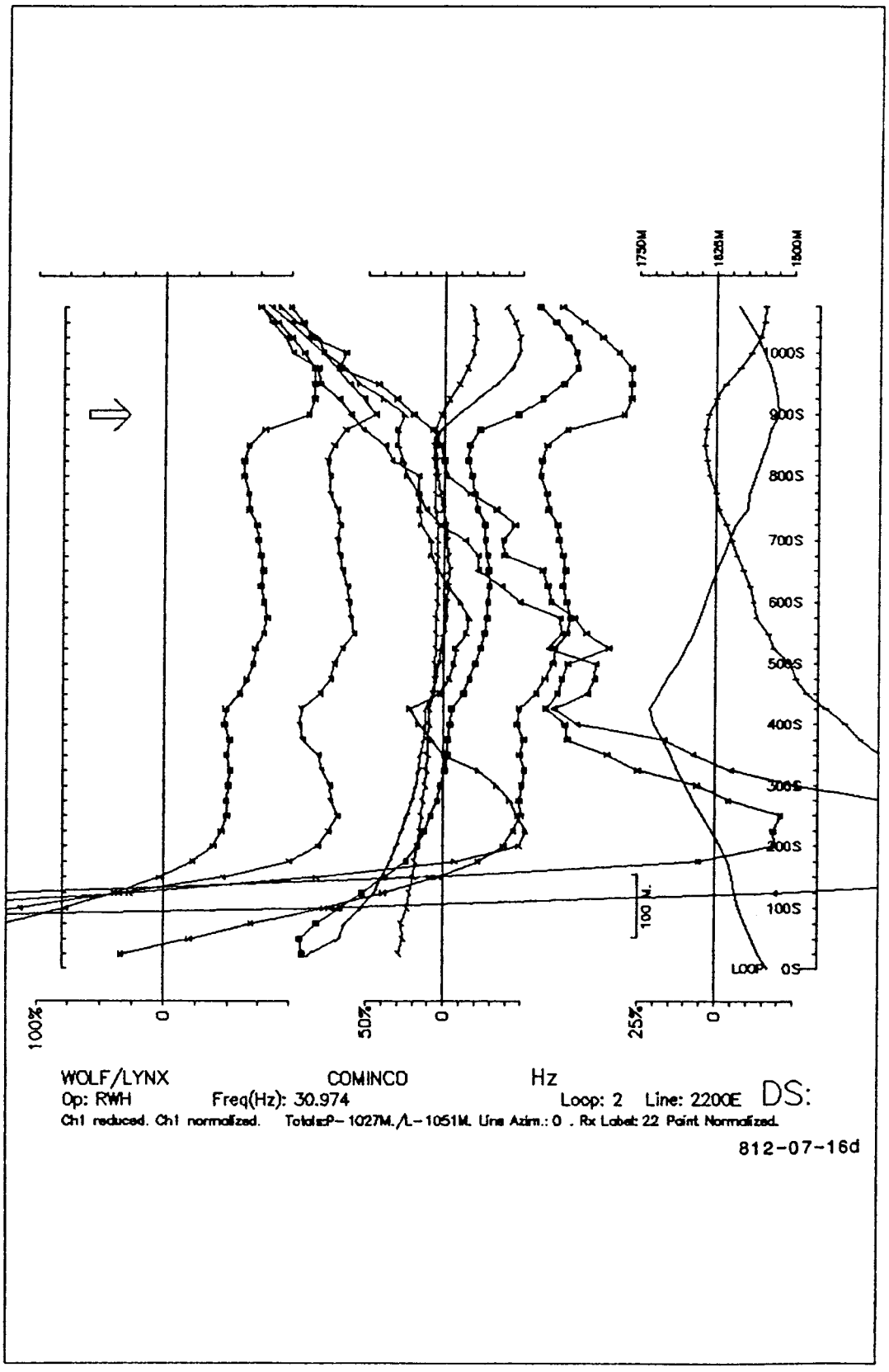


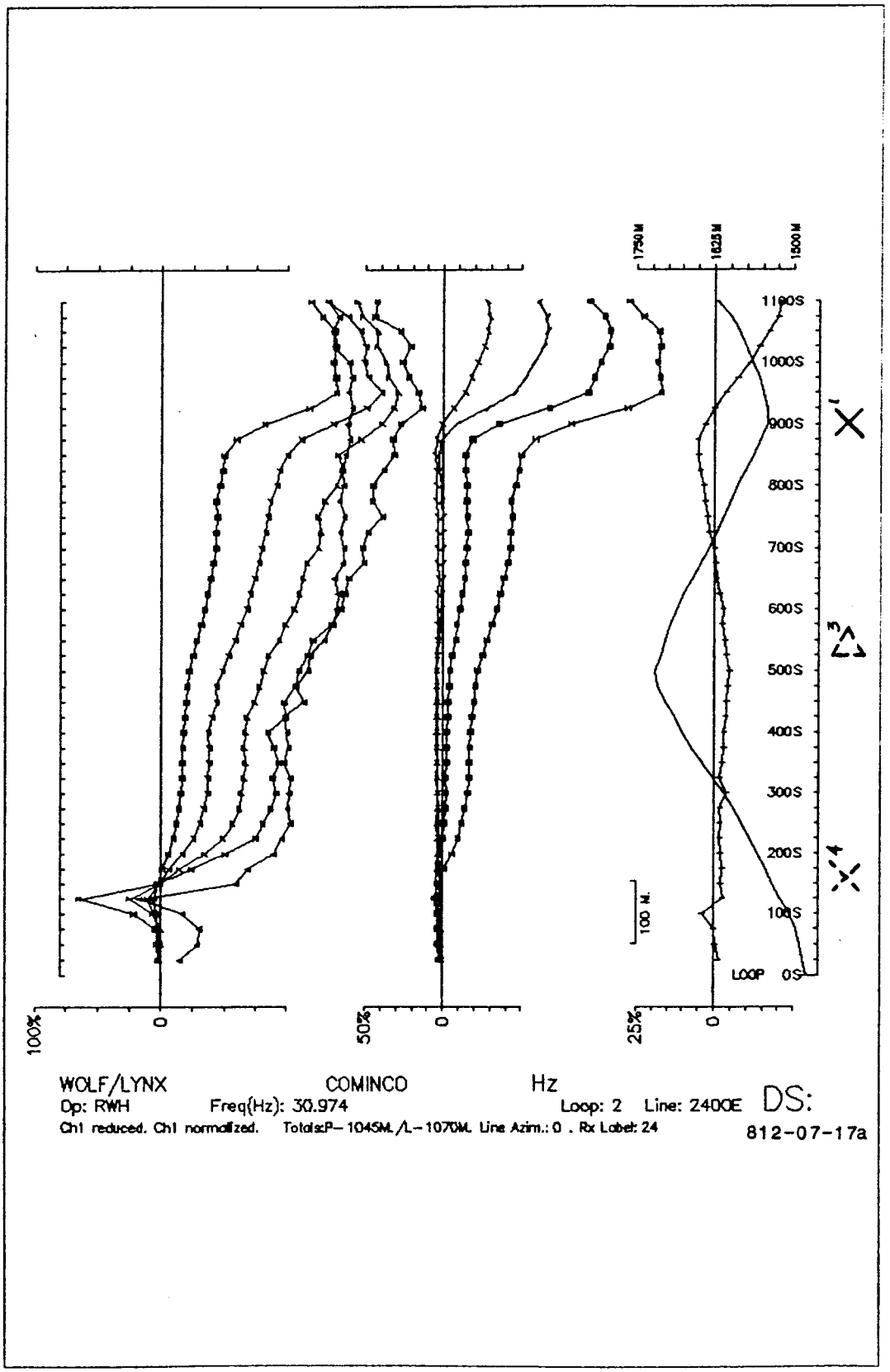
WOLF/LYNX COMINCO Hz

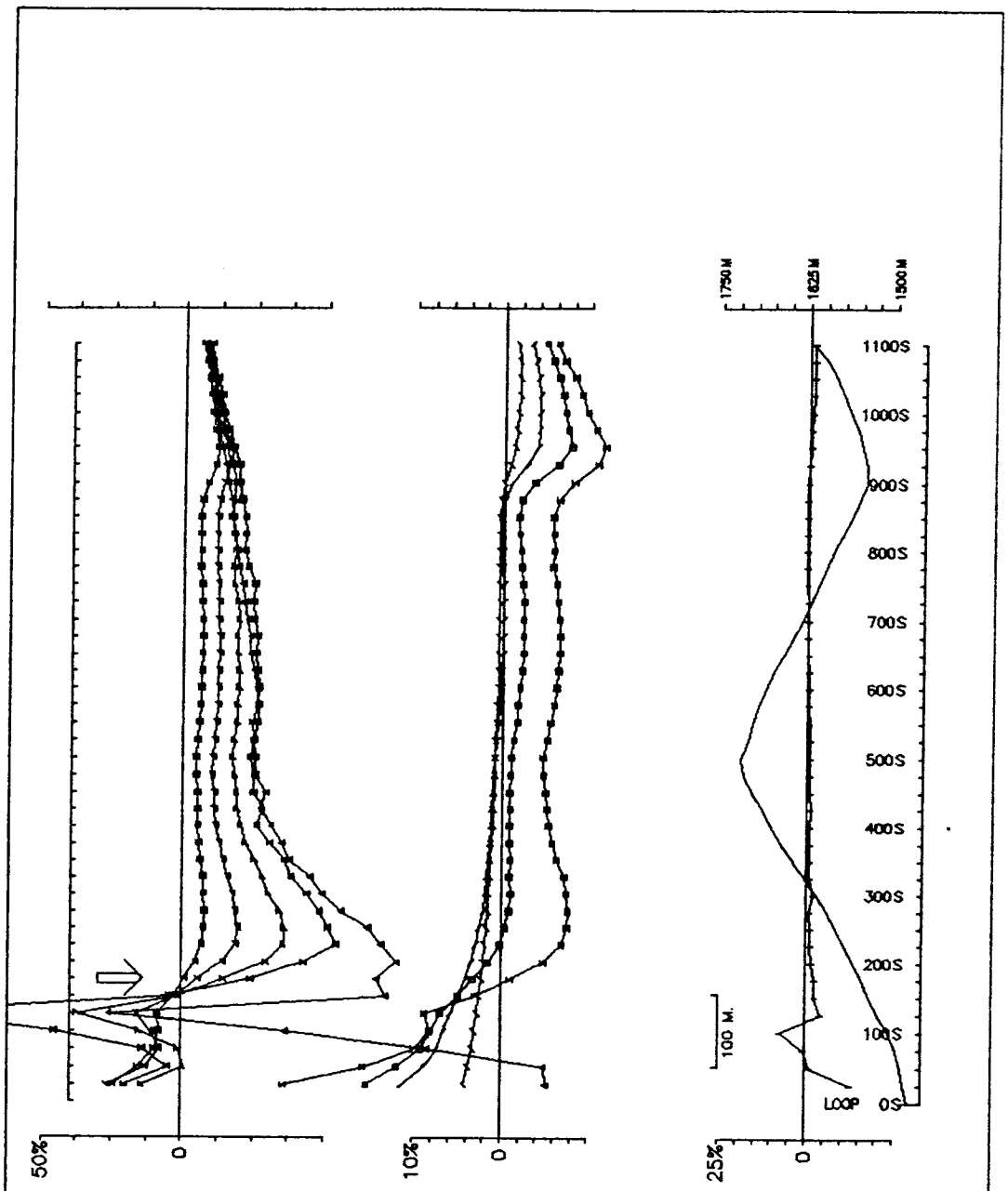
Op: RWH Freq(Hz): 30.974 Loop: 2 Line: 2200E DS:

Ch1 reduced. Ch1 normalized. Totals:P-1027M./L-1051M. Line Azim.: 0 . Rx Label: 22 Point Normalized.

812-07-16c


1750M
1825M
1900M
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 N.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2
Line: 2200E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-1027M./L-1051M. Line Azim.: 0 . Rx Label: 22 Point Normalized.
812-07-16d


1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
50%
0
25%
0
X'
3
4
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 2400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1045M./L-1070M. Line Azim.: 0 . Rx Label: 24
812-07-17a

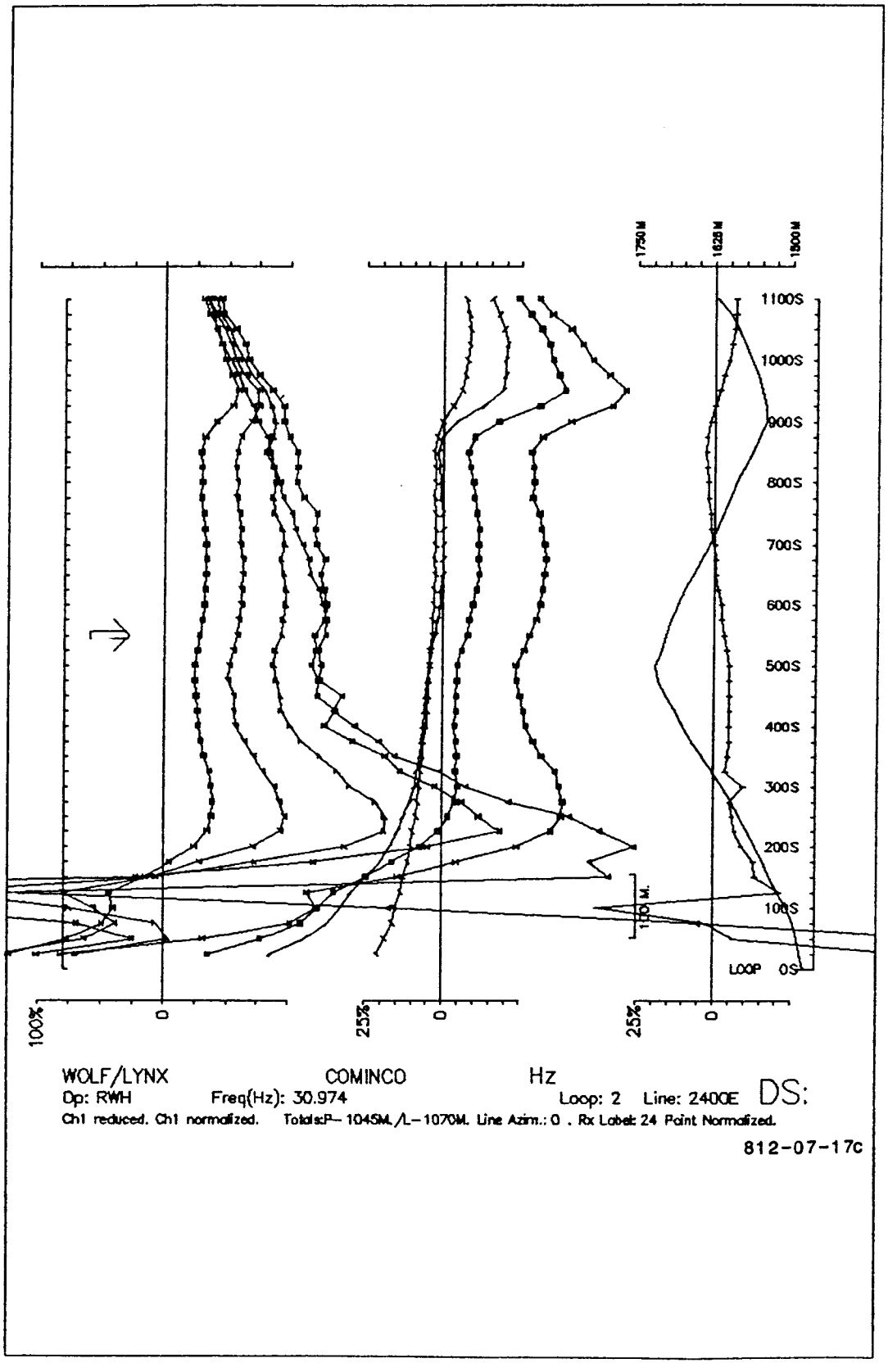


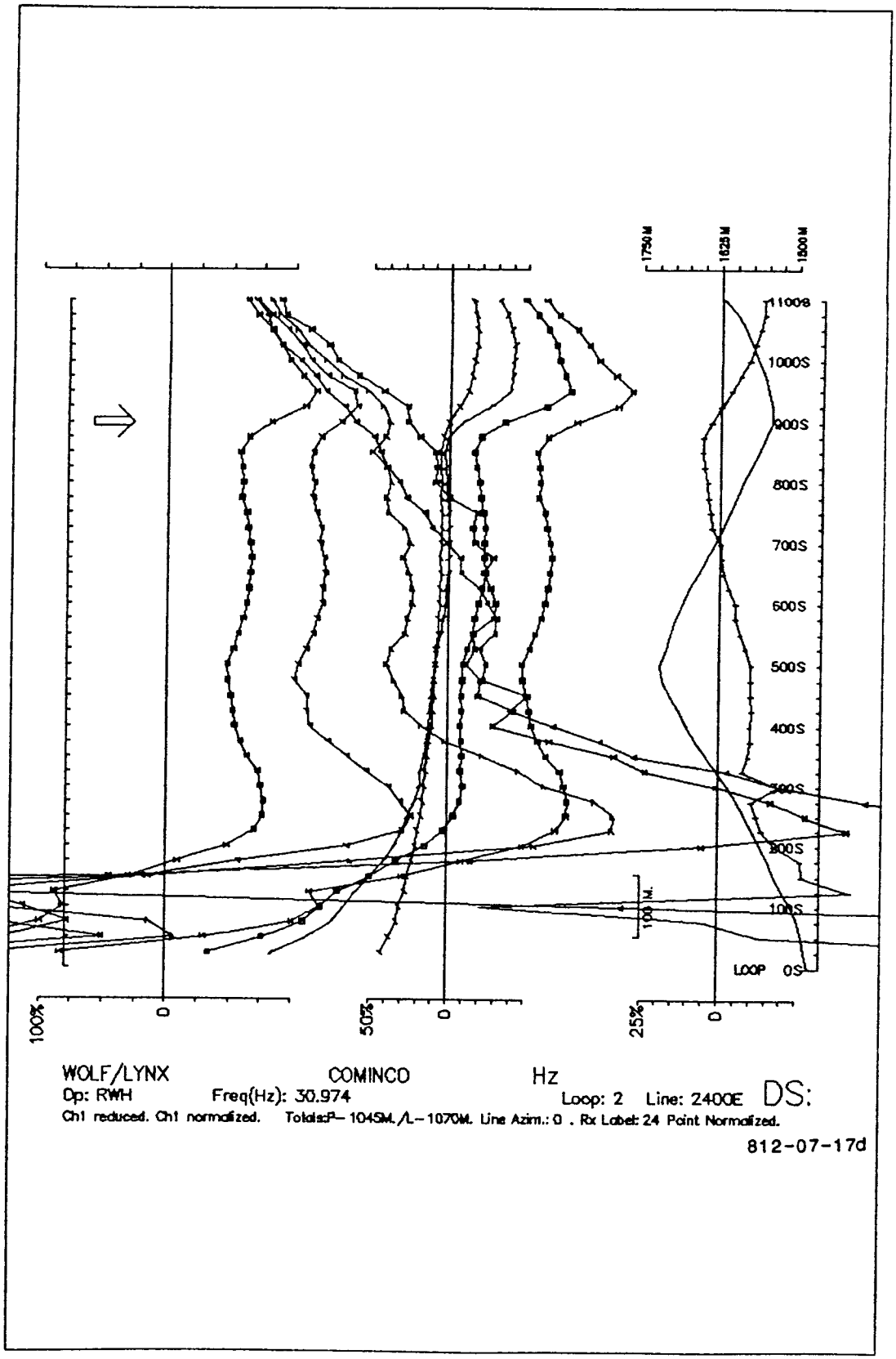
WOLF/LYNX COMINCO Hz

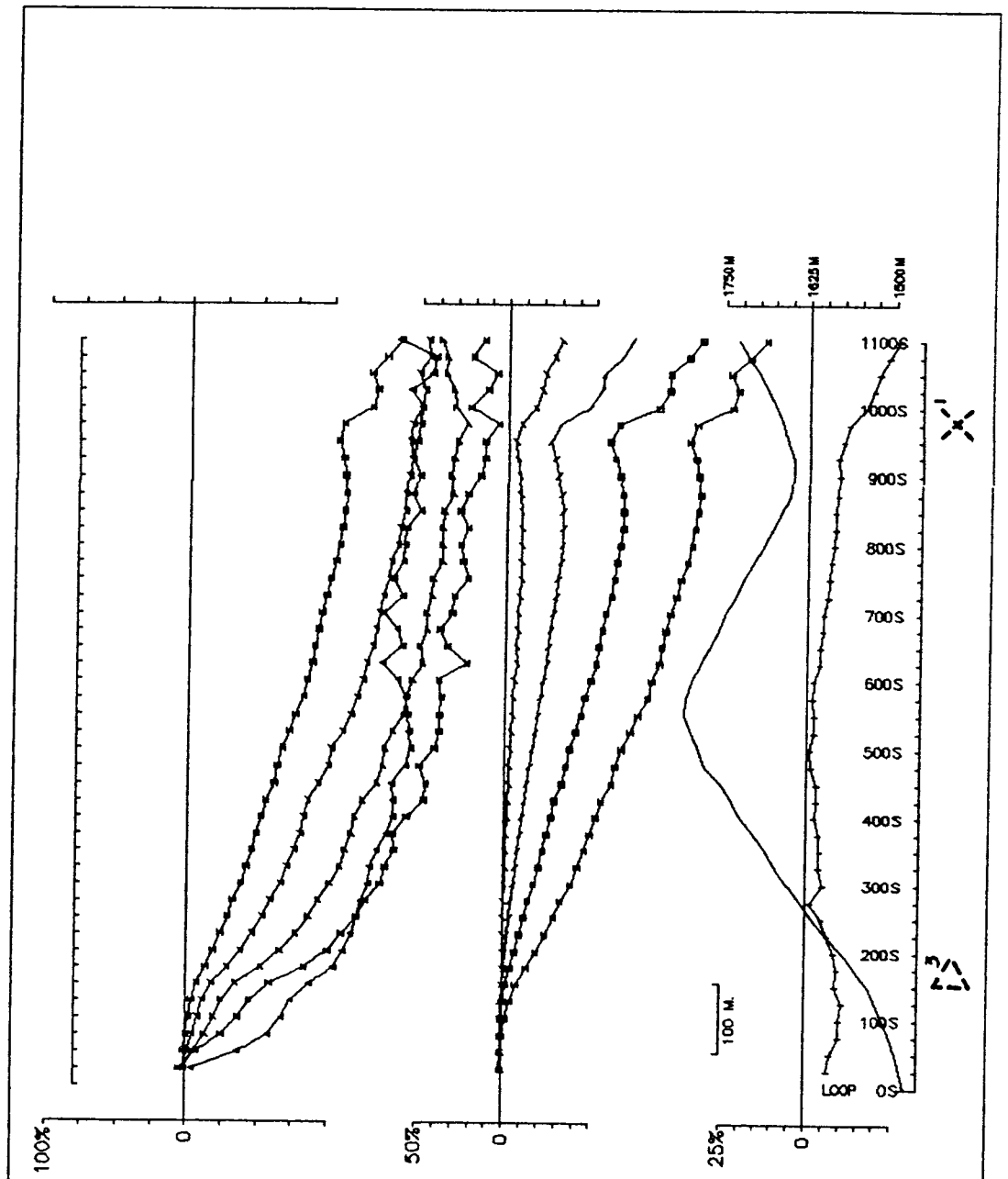
Op: RWH Freq(Hz): 30.974 Loop: 2 Line: 2400E DS:

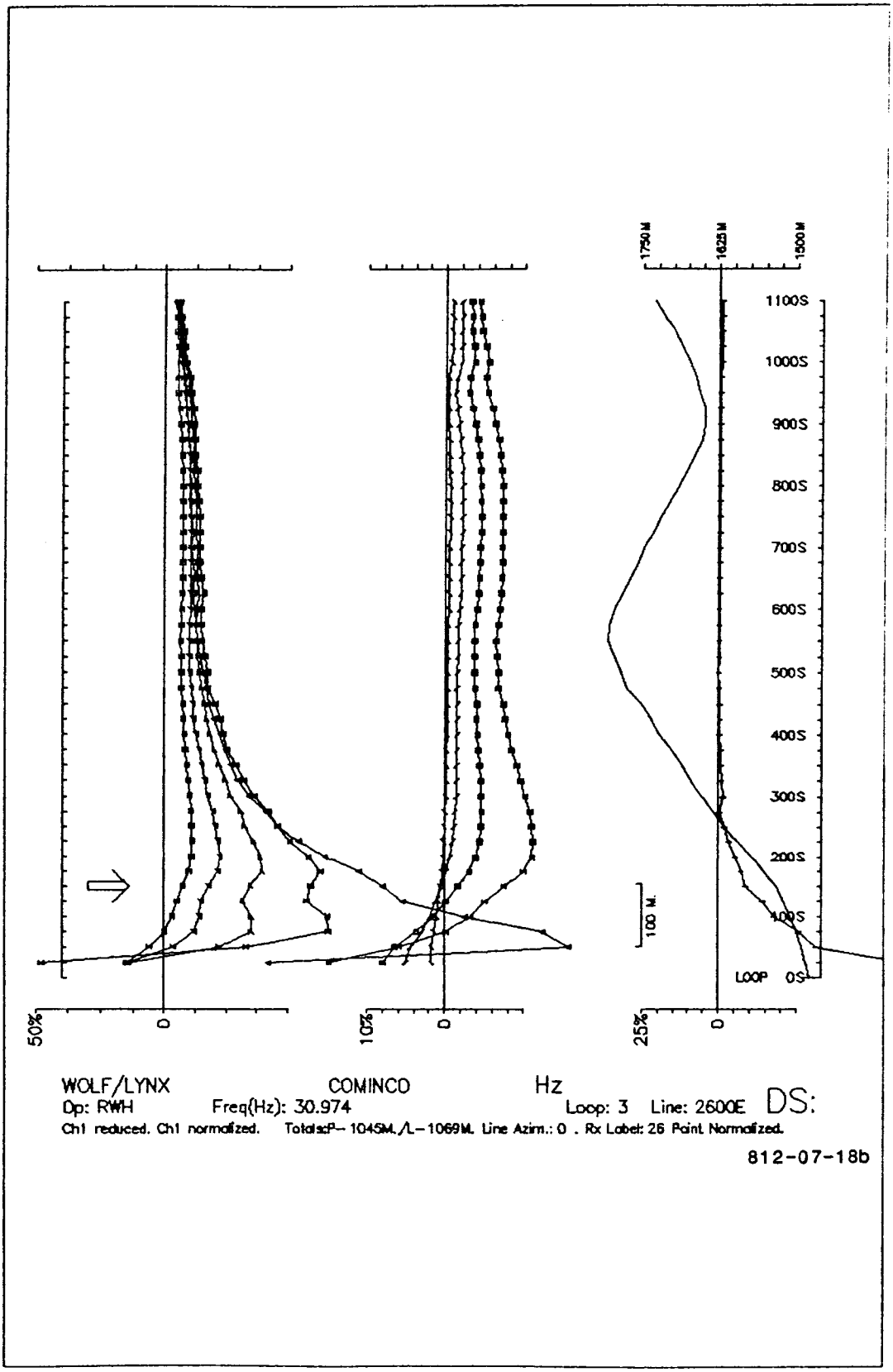
Ch1 reduced. Ch1 normalized. Totals:P- 1045ML/L- 1070ML Line Azim.: 0 . Rx Label: 24 Point Normalized.

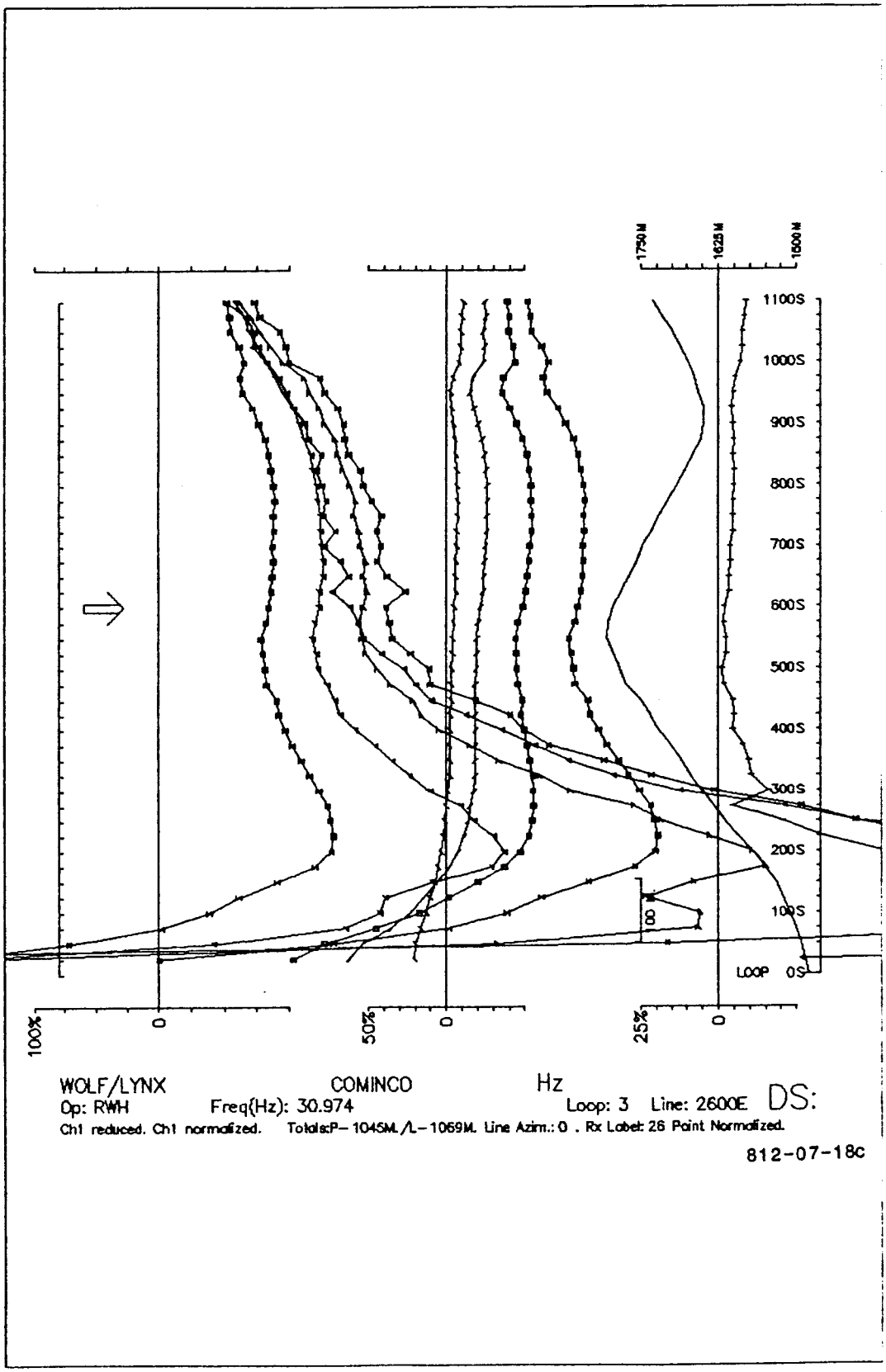
812-07-17b

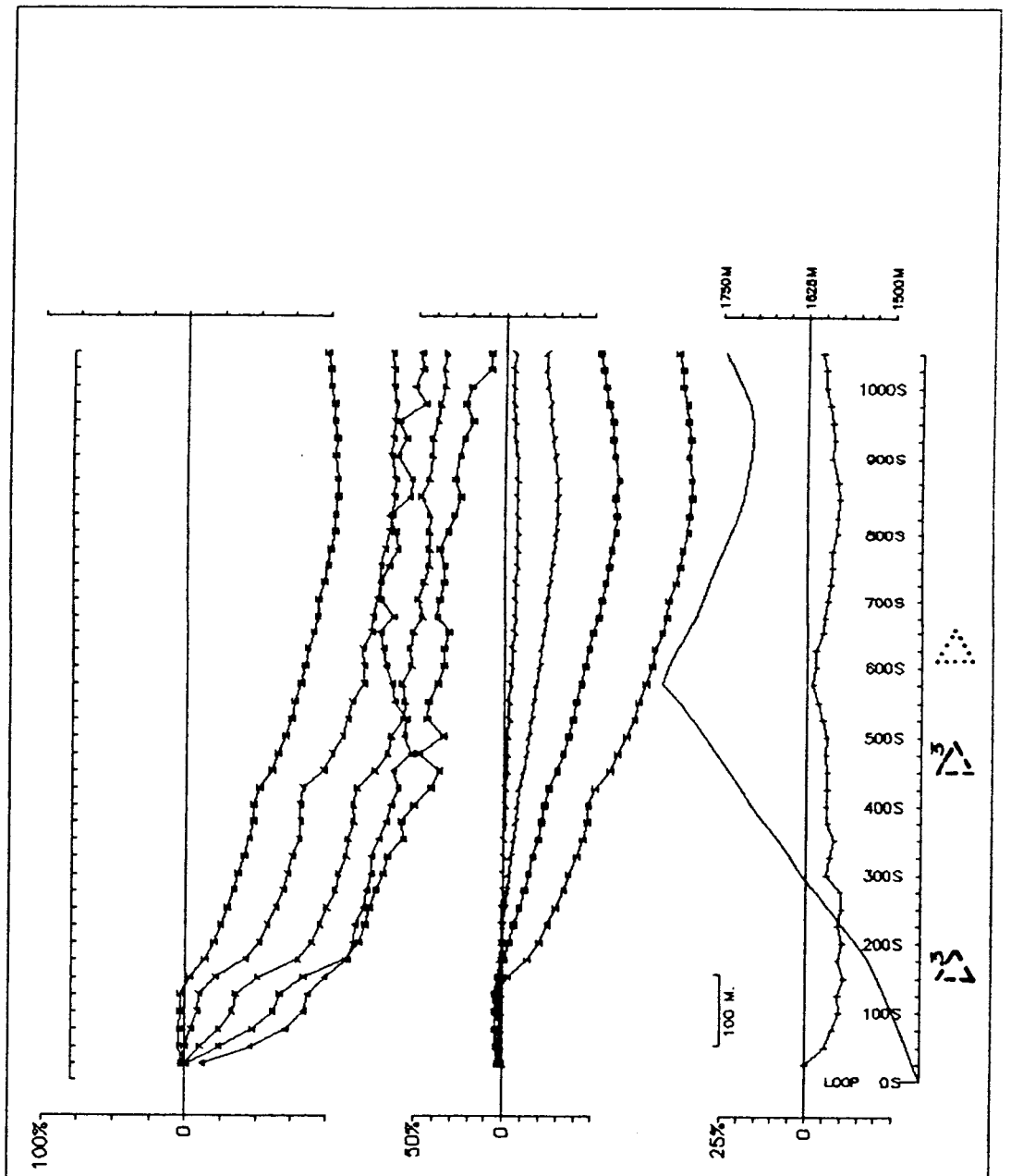

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
25%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2
Line: 2400E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P- 1045M./L- 1070M. Line Azim.: 0 . Rx Label: 24 Point Normalized.
812-07-17c


1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 2 Line: 2400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1045M./L- 1070M. Line Azim.: 0 . Rx Label: 24 Point Normalized.
812-07-17d


1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
50%
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 2600E DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1045M./L- 1069M. Line Azim.: 0 . Rx Label: 26
812-07-18a


1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
50%
10%
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3
Line: 2600E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-- 1045M./L-1069M. Line Azim.: 0 . Rx Label: 26 Point Normalized.
812-07-18b


1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
LOOP
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 2600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1045M./L-1069M. Line Azim.: 0 . Rx Label: 26 Point Normalized.
812-07-18c

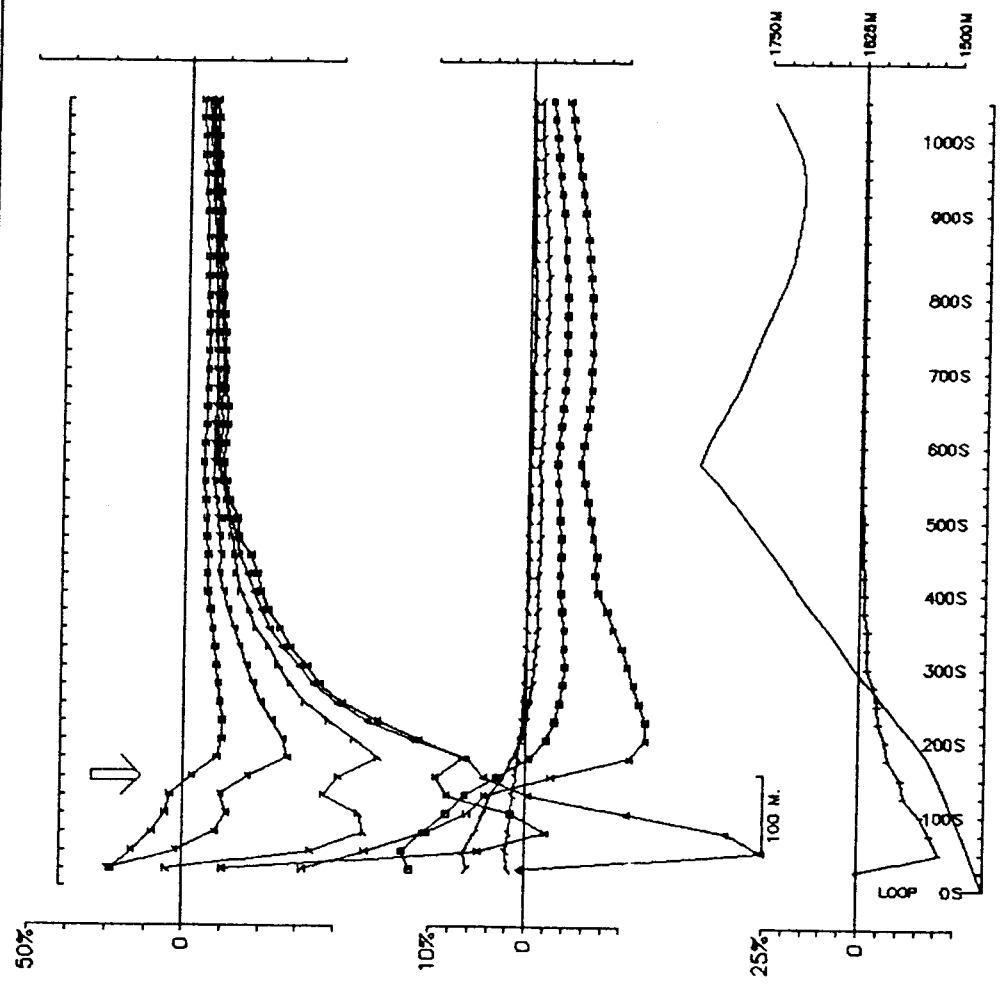


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 3 Line: 2800E DS:

Ch1 reduced. Ch1 normalized. Totals:P-1007M./L-1031M. Line Azim.: 0 . Rx Label: 28

812-07-19a

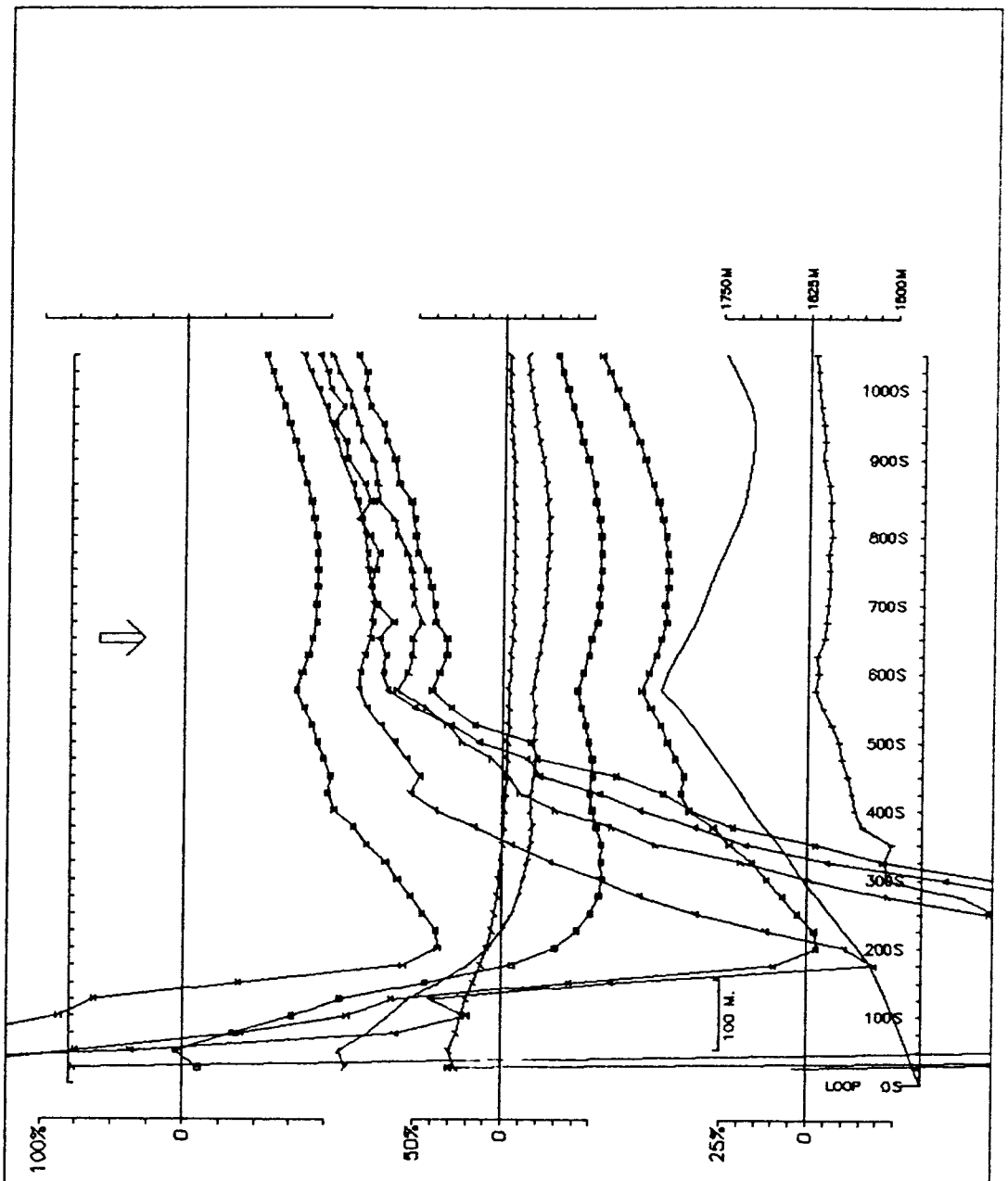


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 3 Line: 2800E DS:

Ch1 reduced. Ch1 normalized. Totals:P-1007M./L-1031M. Line Azim.: 0 . Rx Label: 28 Point Normalized.

812-07-19b

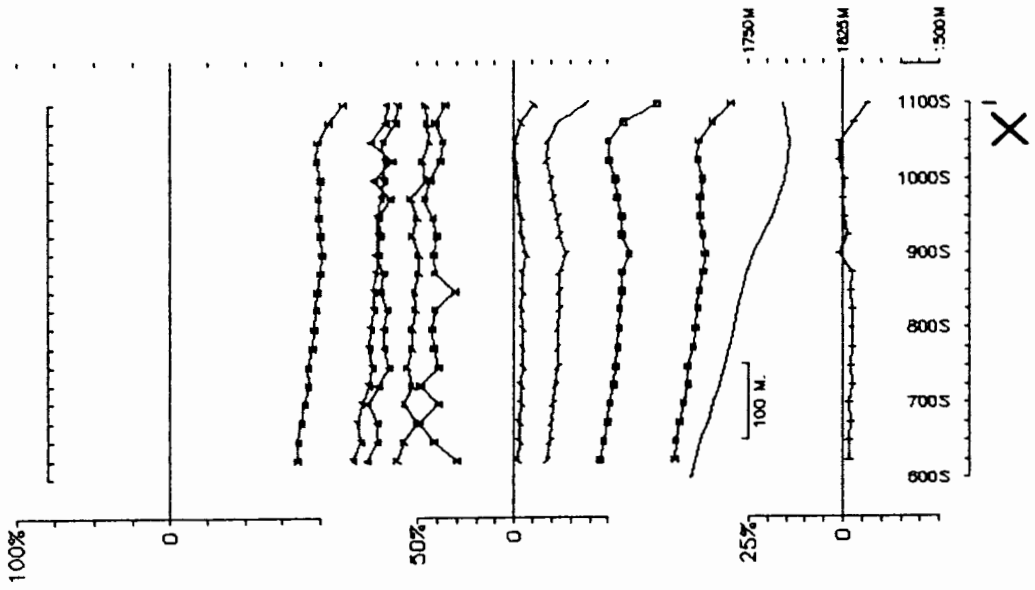


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 3 Line: 2800E DS:

Ch1 reduced. Ch1 normalized. Totals:P-1007M./L-1031M. Line Azim.: 0 . Rx Label: 28 Point Normalized.

812-07-19c

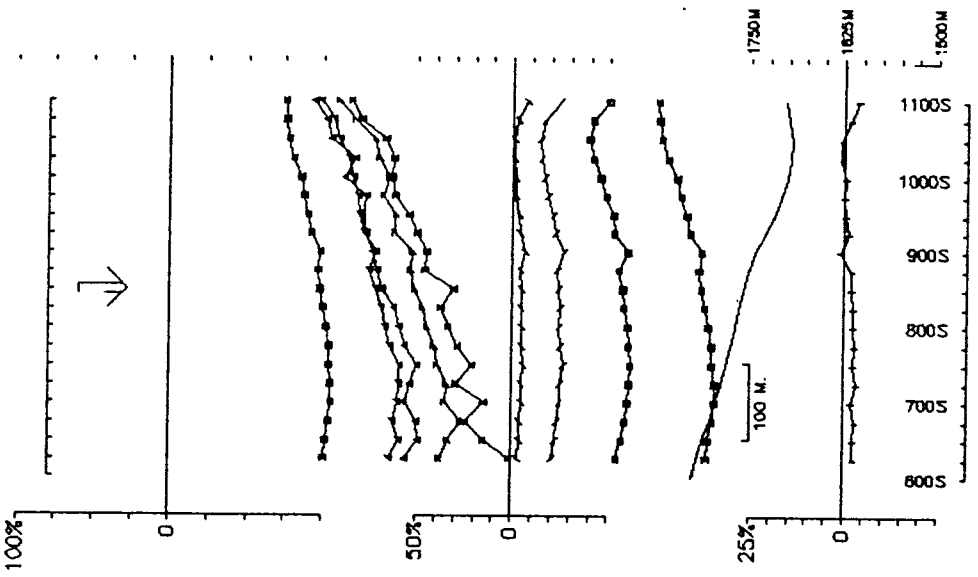


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 3 Line: 3000E DS:

Ch1 reduced. Ch1 normalized. Totals:P-468M. /L-493M. Line Azim.: 0 . Rx Label: 30 . Base Shift: 25.0 %

812-07-20a

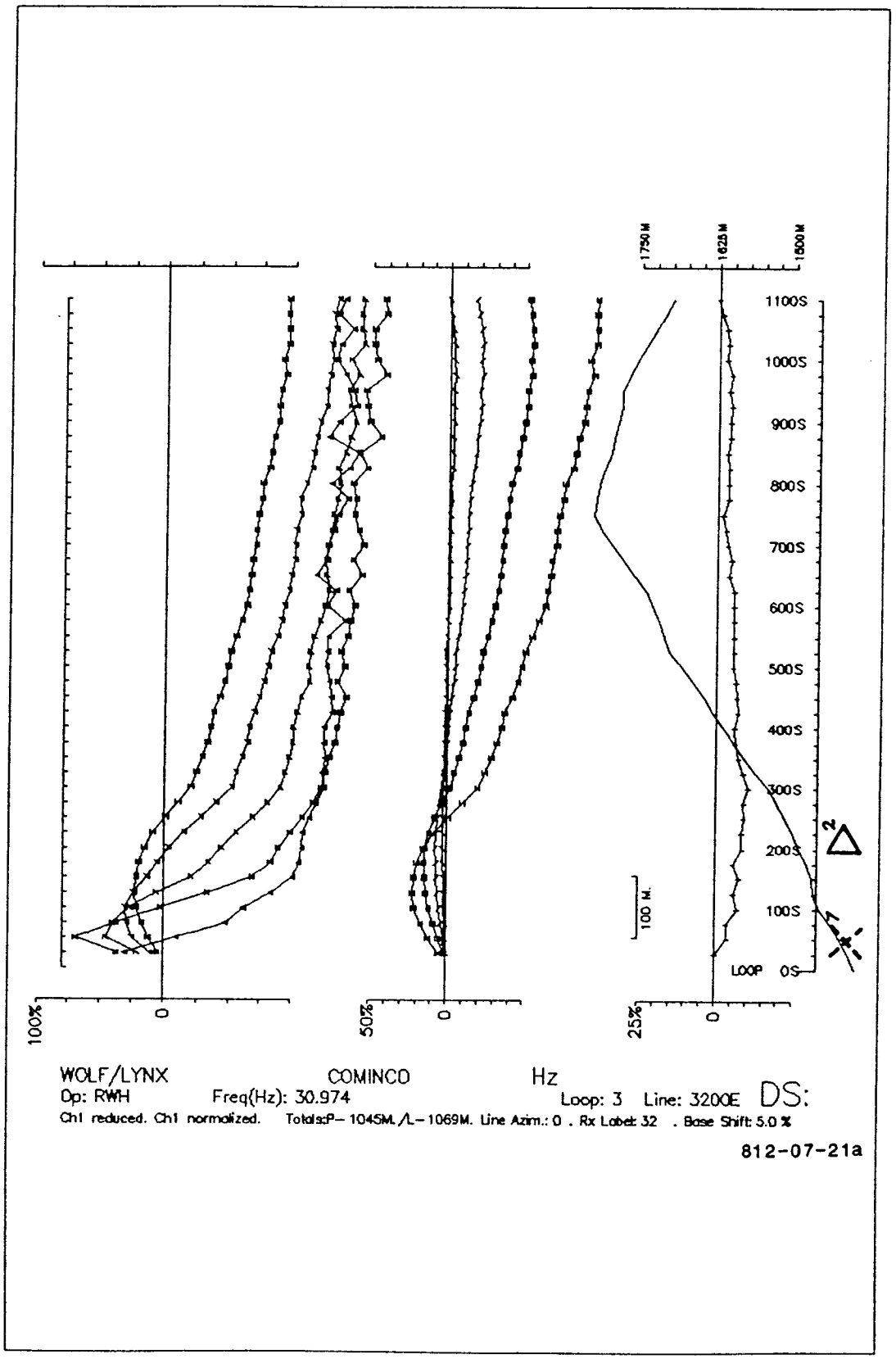


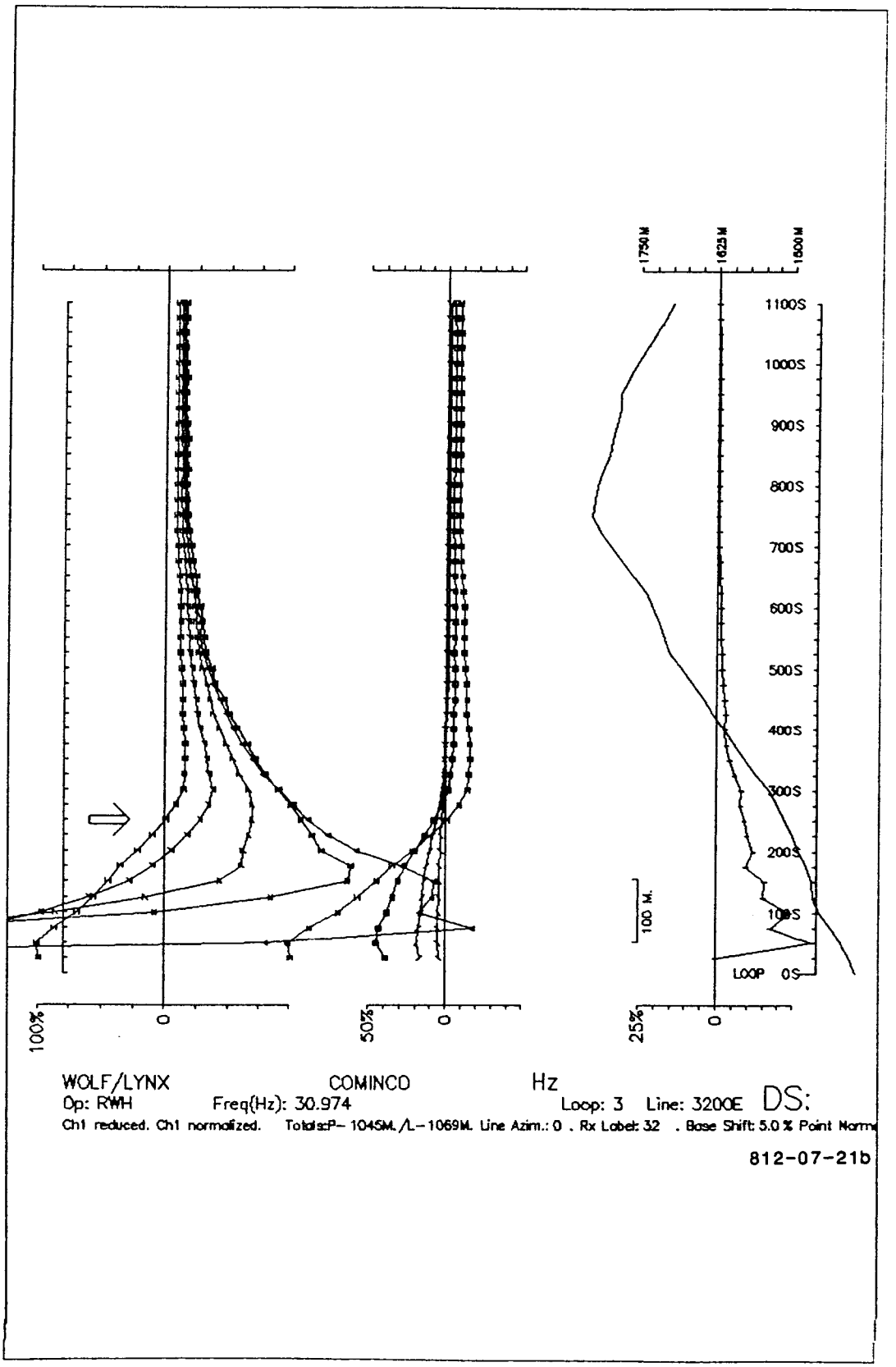
WOLF/LYNX COMINCO Hz

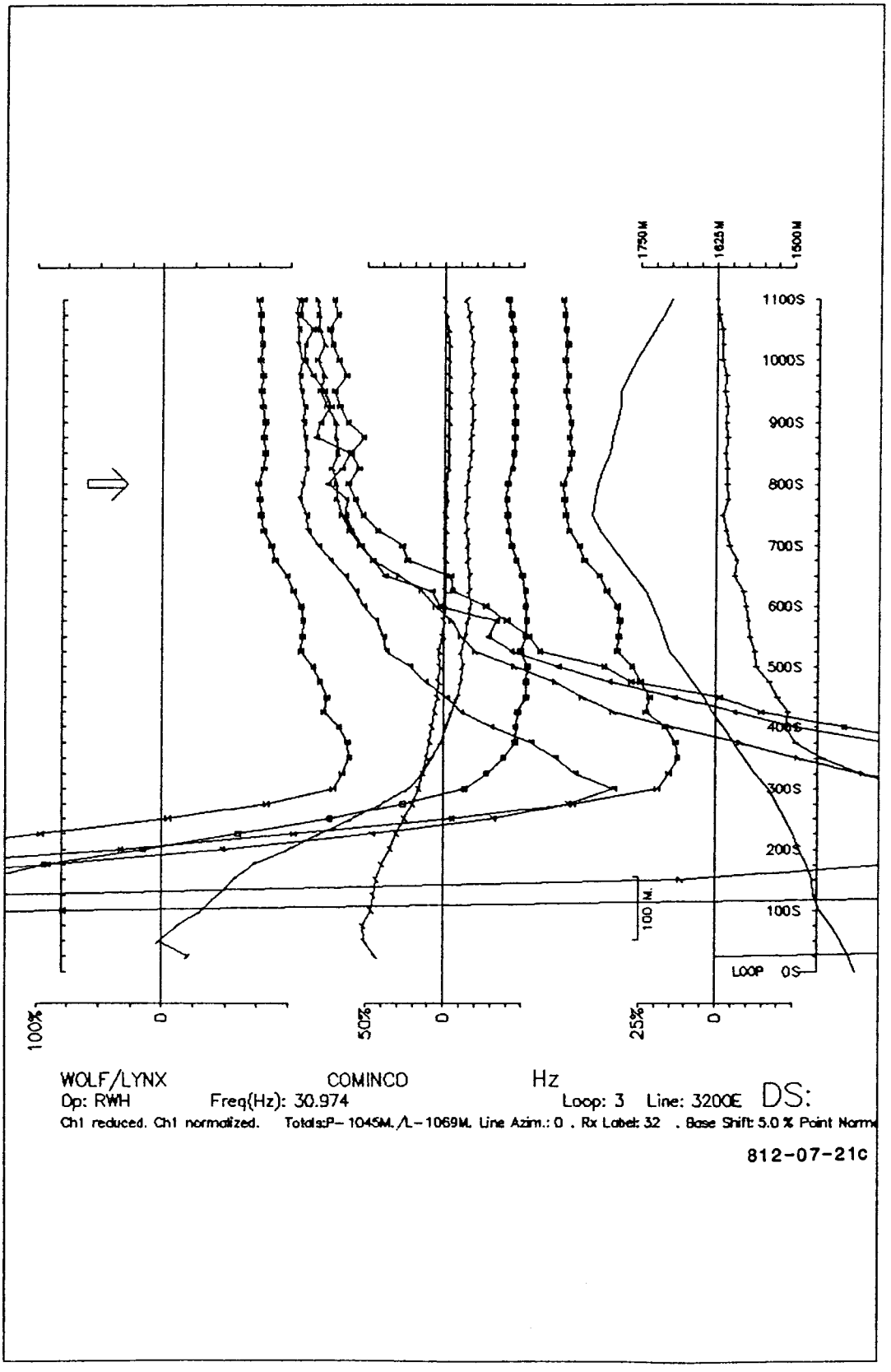
Op: RWH Freq(Hz): 30.974 Loop: 3 Line: 3000E DS:

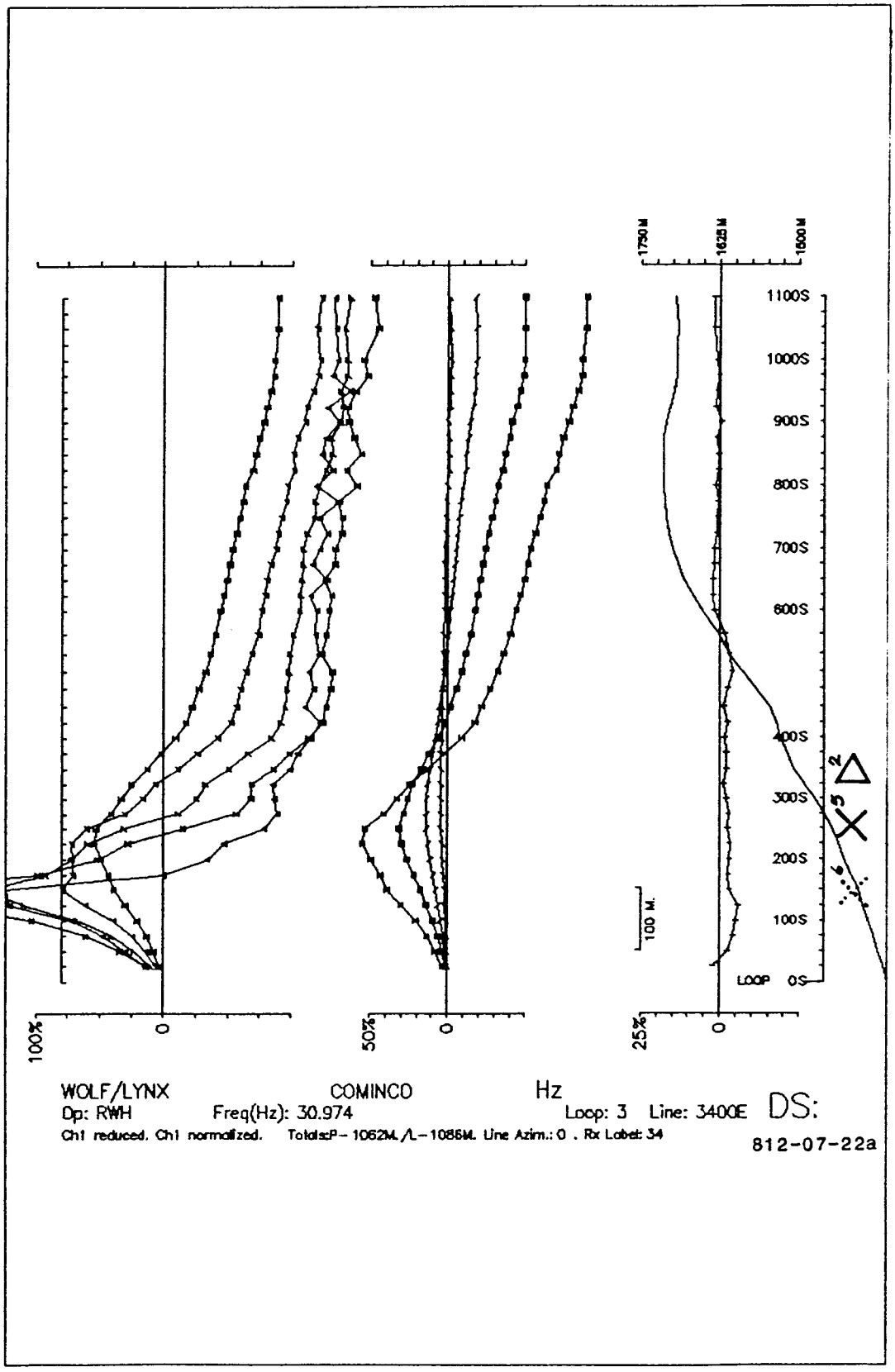
Ch1 reduced. Ch1 normalized. Totals:P-468M./L-493M. Line Azim.: 0 . Rx Label: 30 . Base Shift: 25.0 % Point Normal

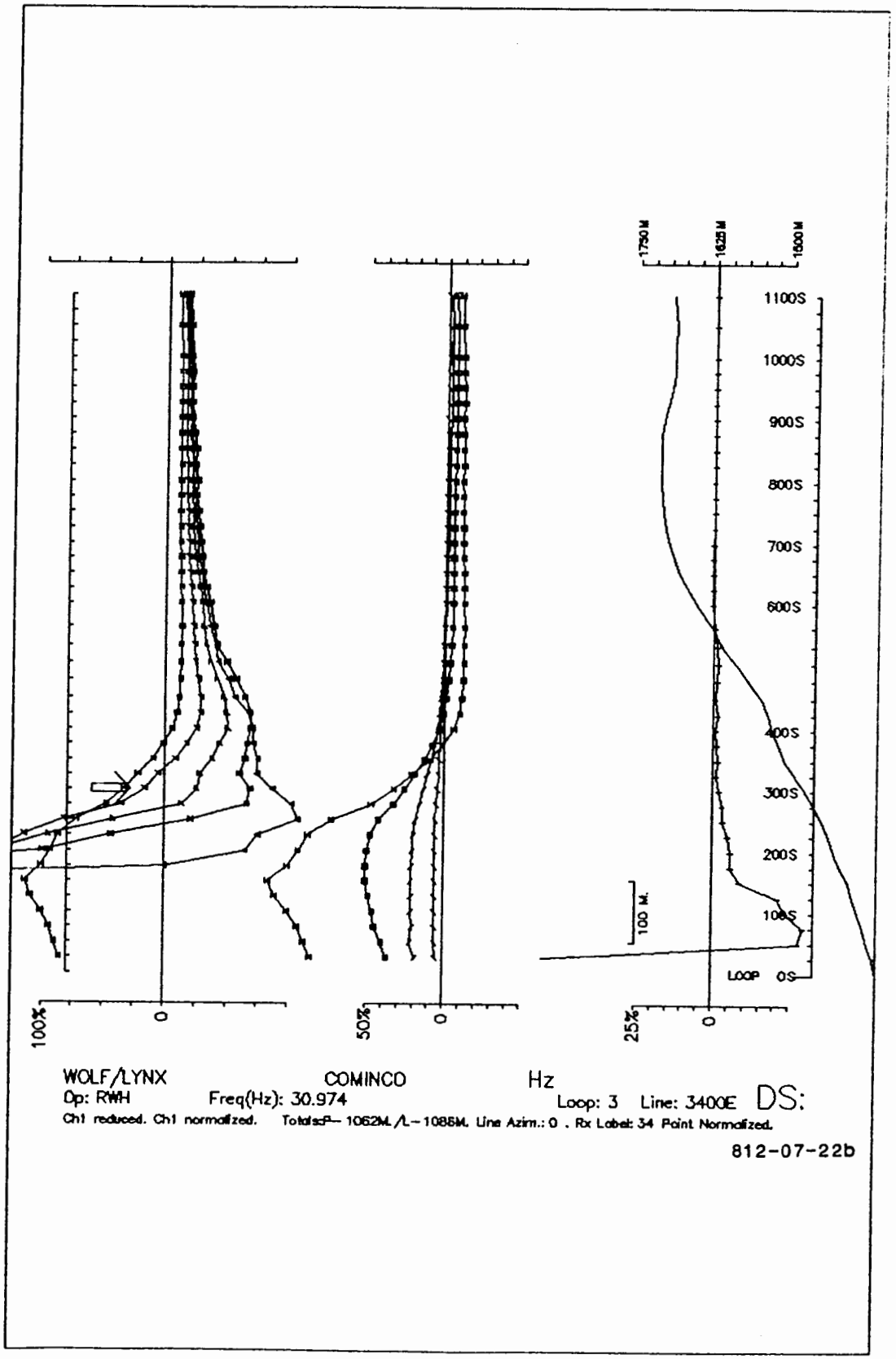
812-07-20b

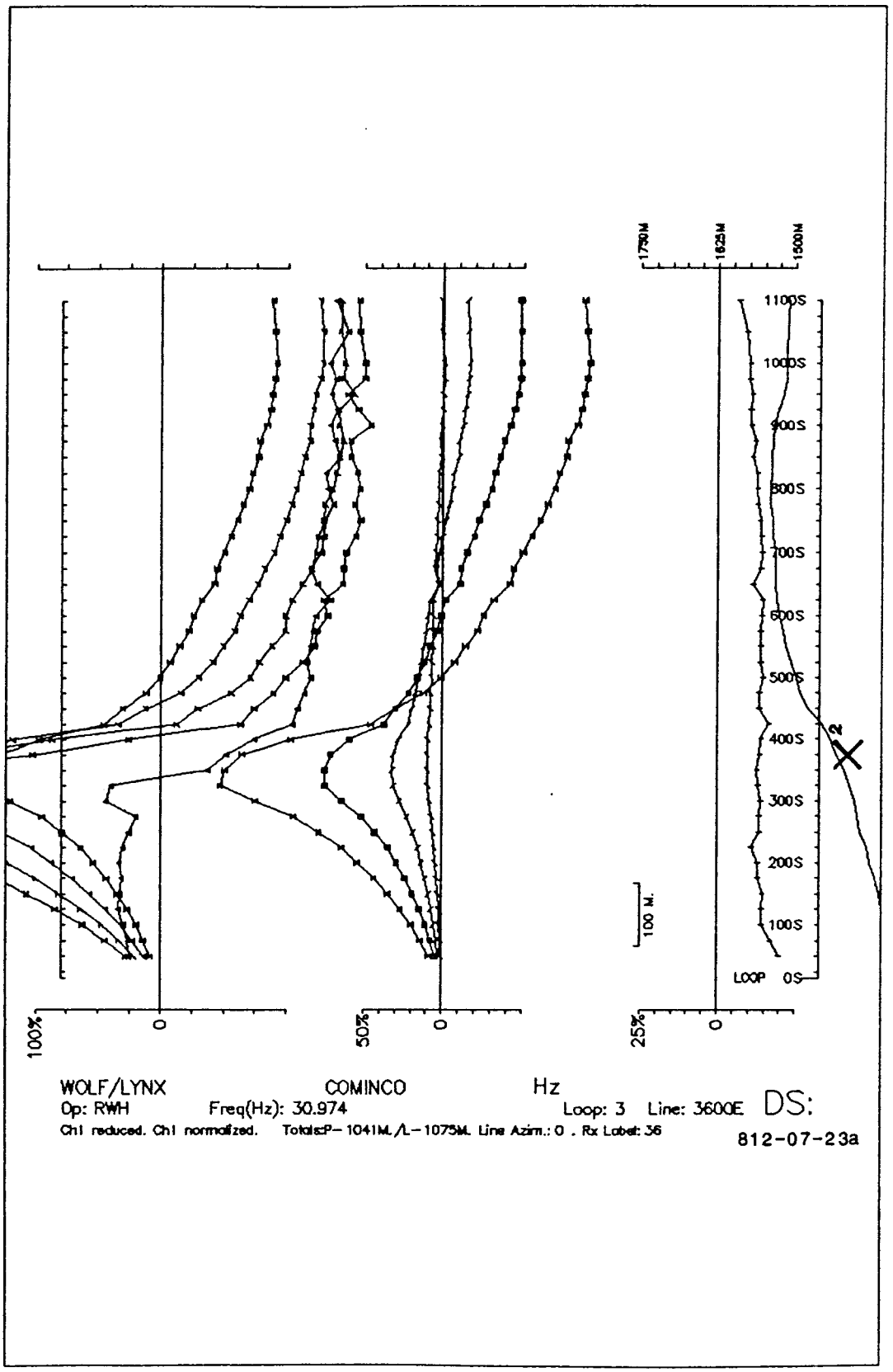

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1045M /L- 1069M. Line Azim.: 0 . Rx Label: 32 . Base Shift: 5.0 %
812-07-21a

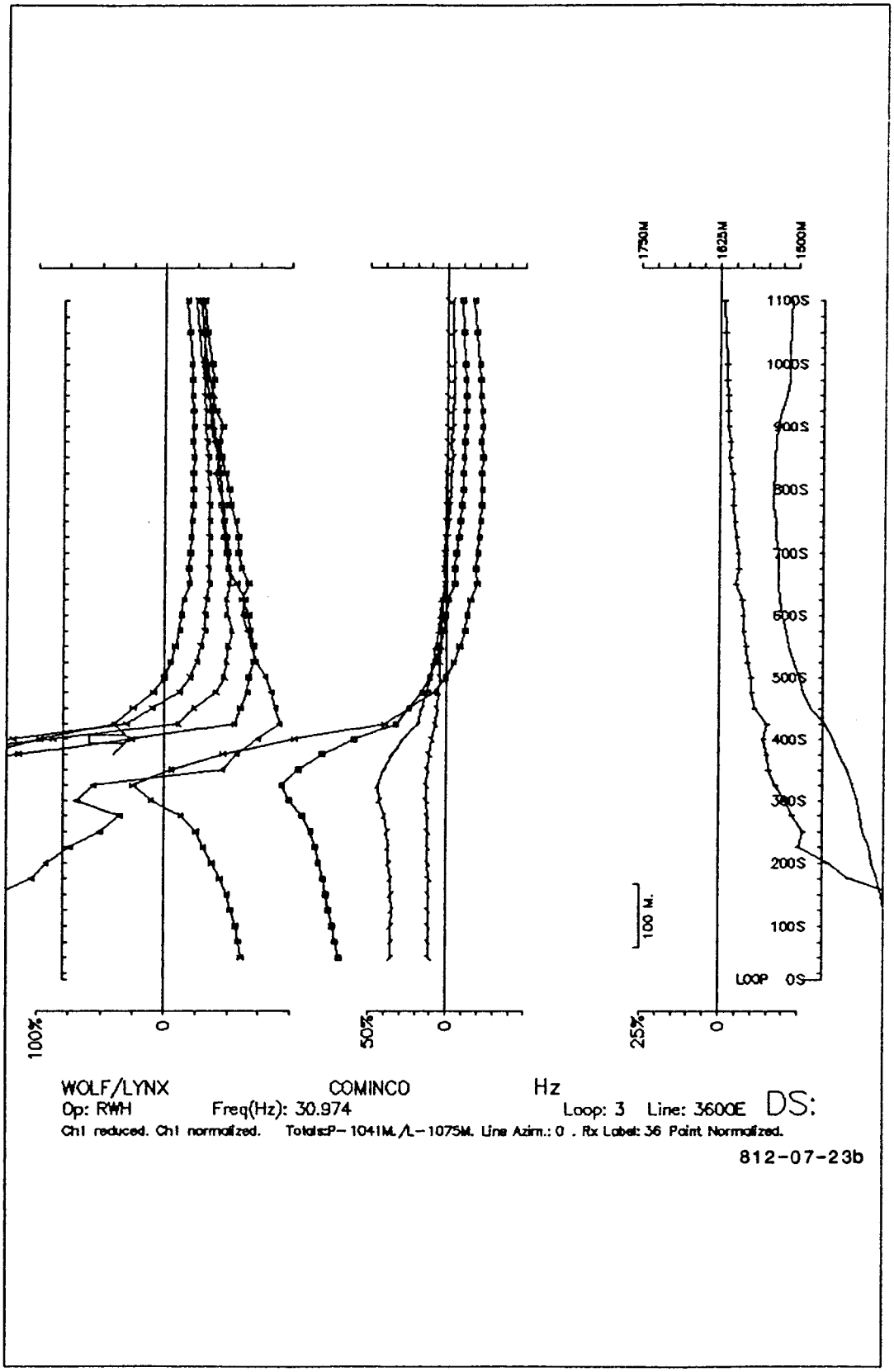

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P- 1045M./L-1069M. Line Azim.: 0 . Rx Label: 32 . Base Shift: 5.0 % Point Norm
812-07-21b

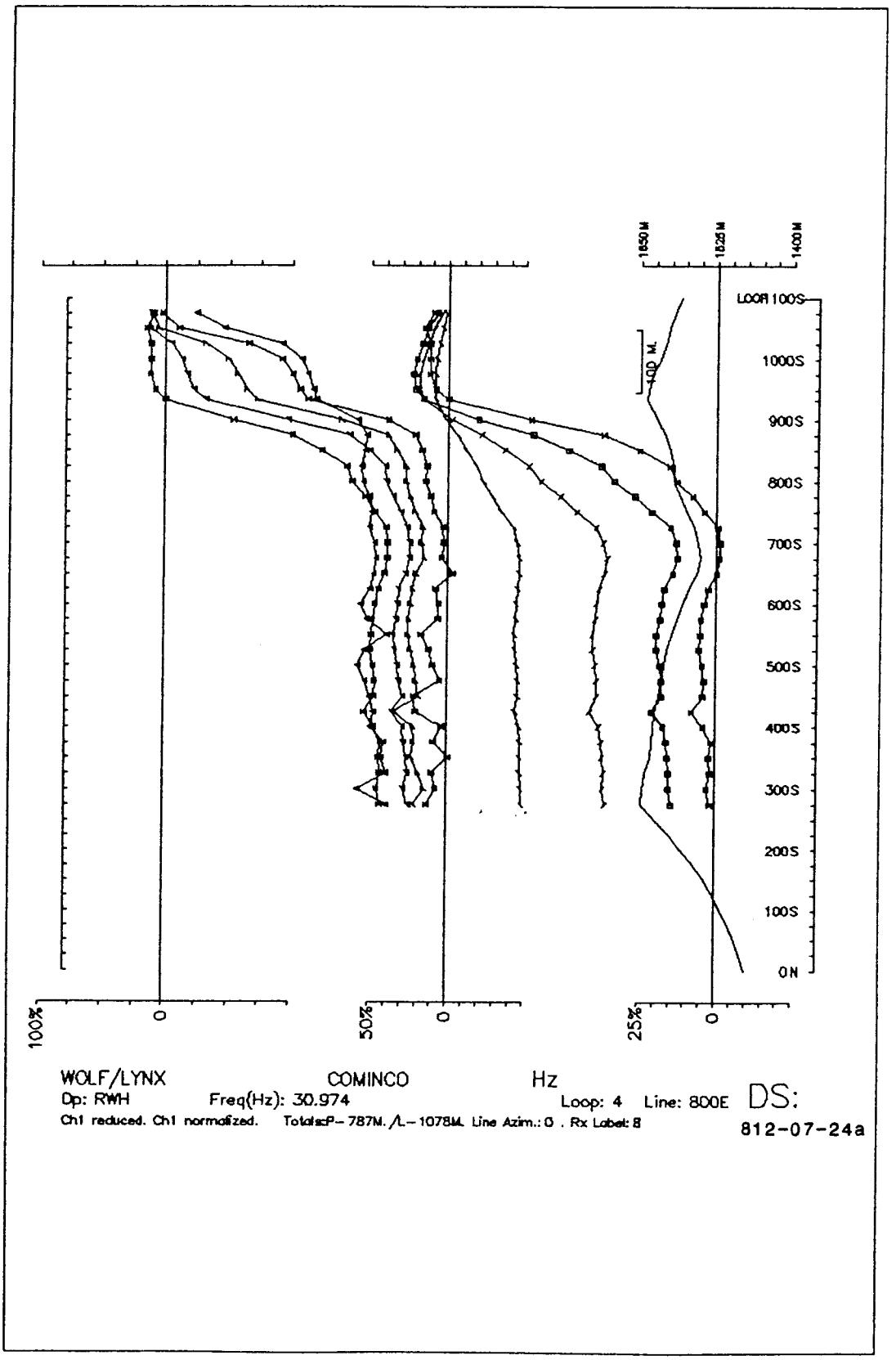

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1045M./L-1069M. Line Azim.: 0 . Rx Label: 32 . Base Shift: 5.0 % Point Norm
812-07-21C

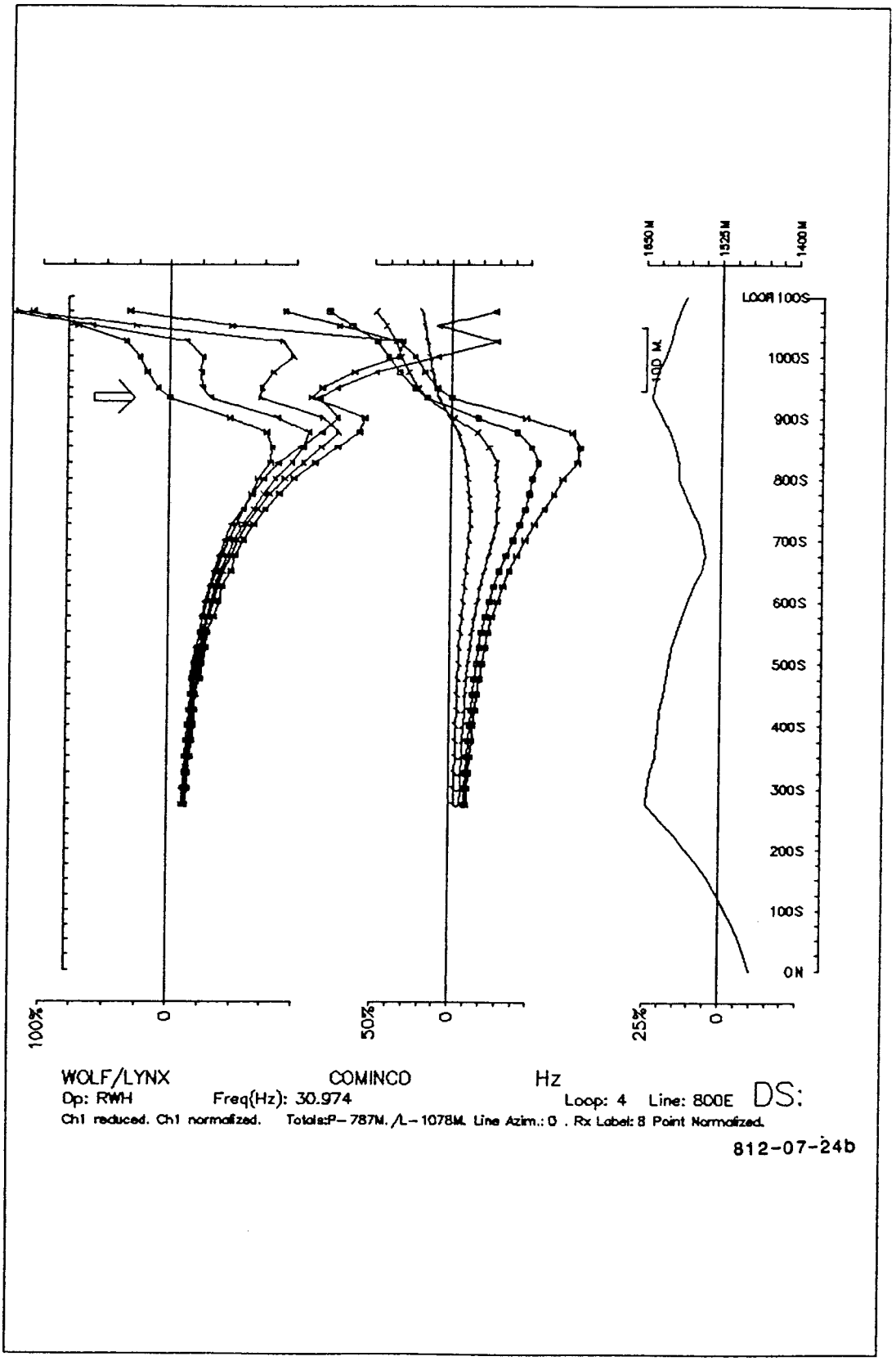

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
400S
300S
200S
100S
0S
LOOP
100 M.
100%
50%
25%
0
WOLF/LYNX
COMINCO
Hz
Dp: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1062M./L-1086M. Line Azim.: 0 . Rx Label: 34
812-07-22a

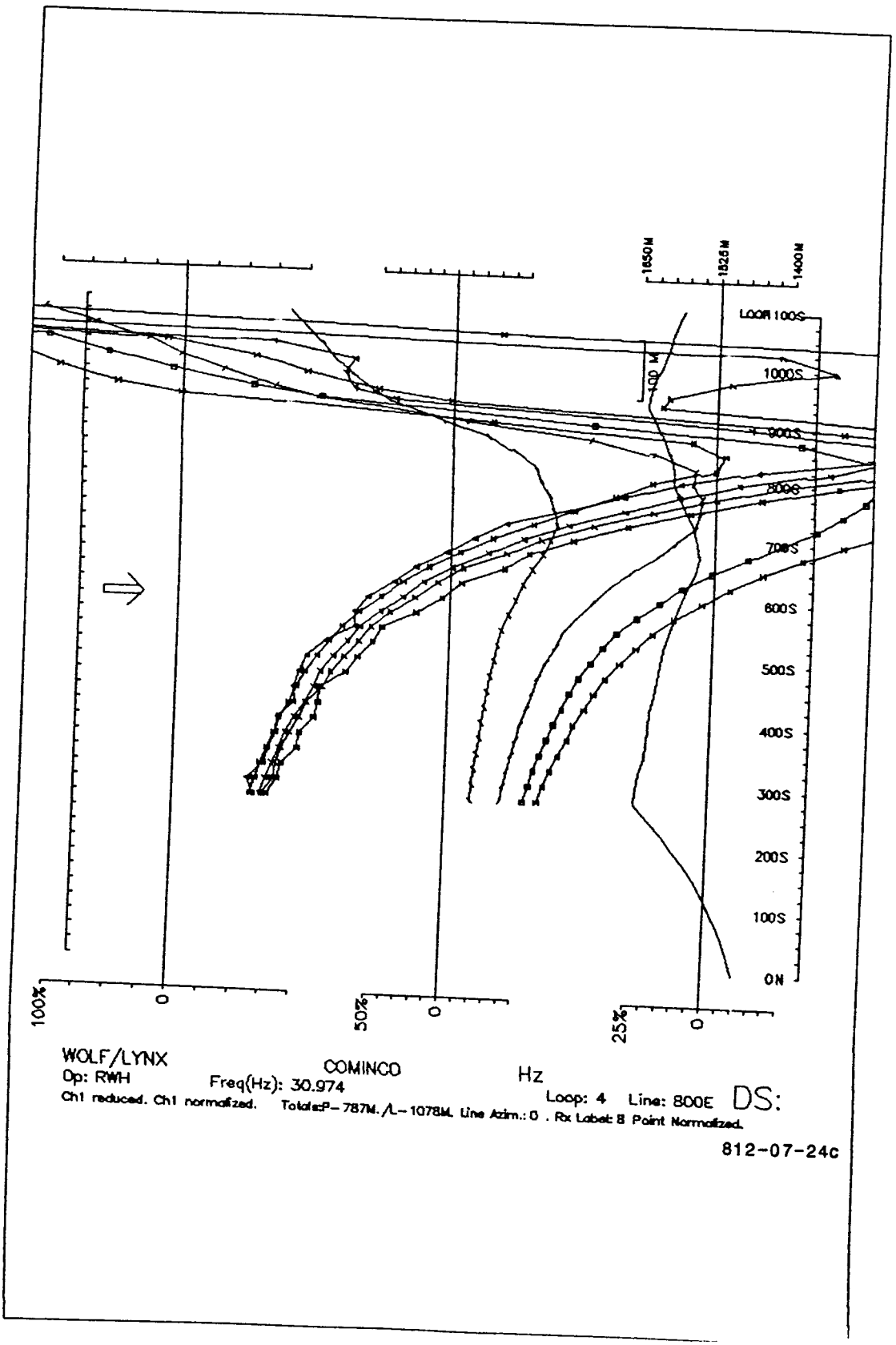

1750 M
1625 M
1500 M
1100S
1000S
900S
800S
700S
600S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P– 1062M./L–1088M. Line Azim.: 0 . Rx Label: 34 Point Normalized.
812-07-22b

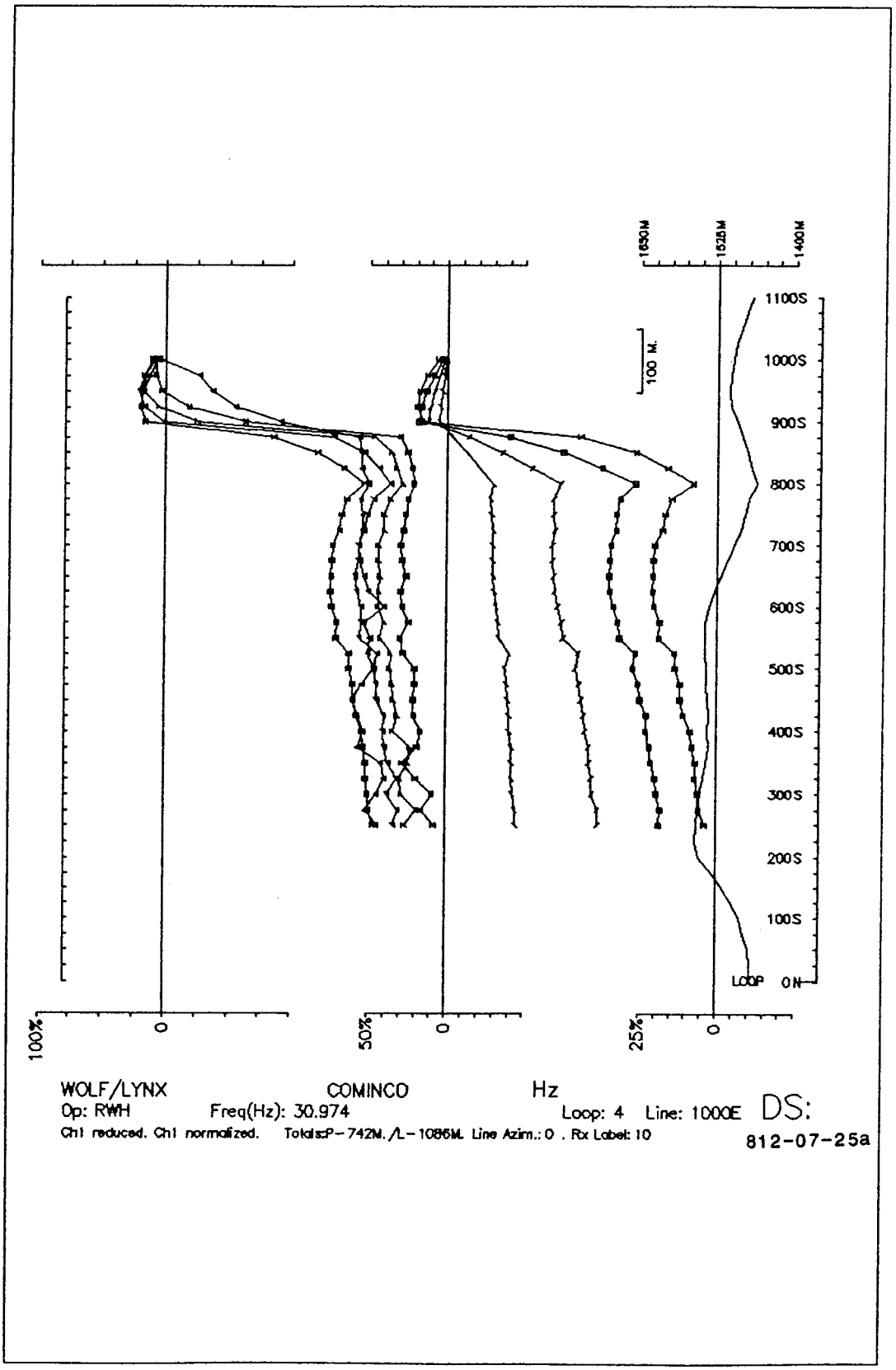

1750N
1625N
1500N
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP 0S
100 M.
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1041M./L-1075M. Line Azim.: 0 . Rx Label: 36
812-07-23a

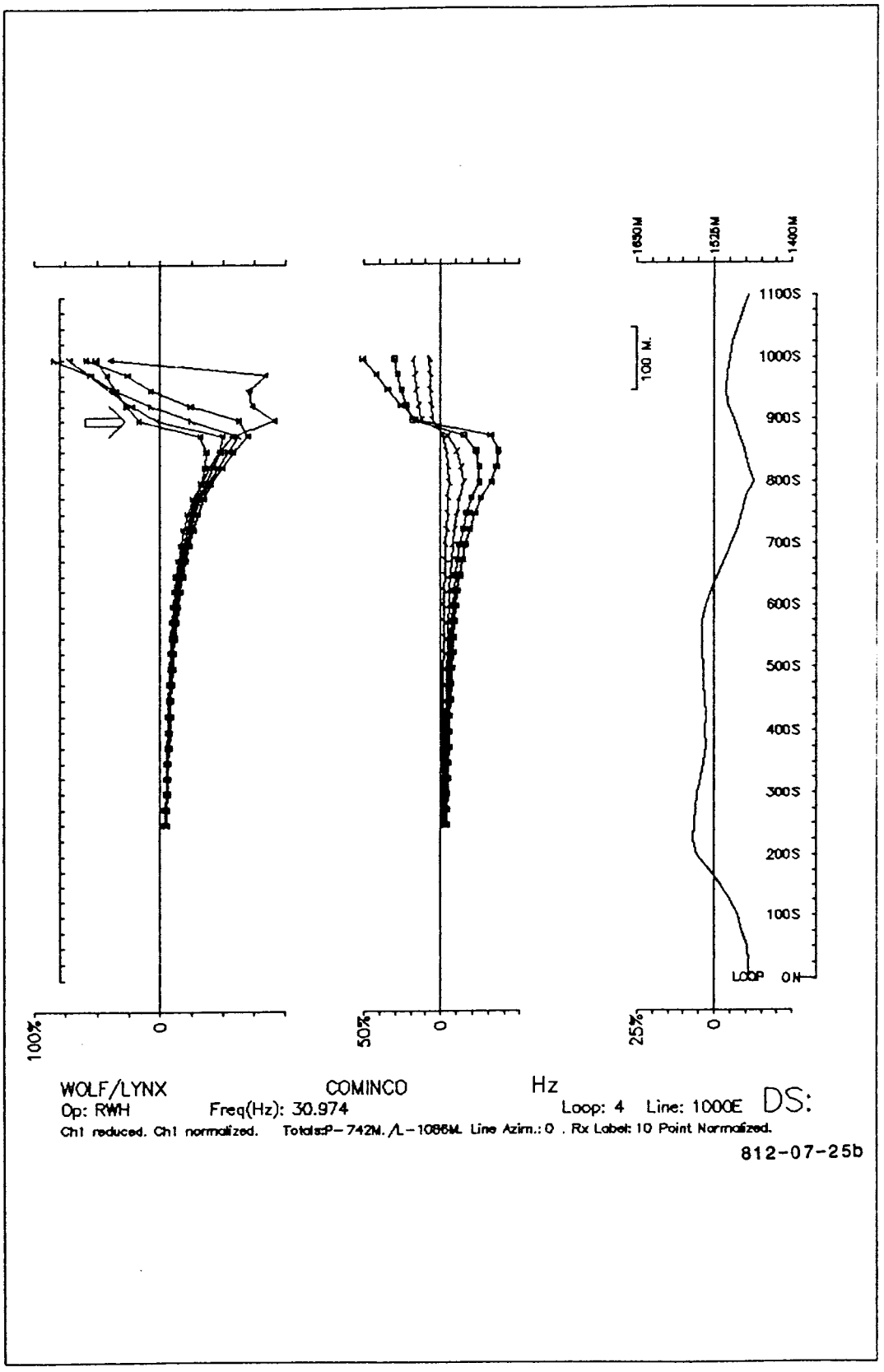

1750M
1625M
1500M
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0S
100 M.
LOOP
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 3 Line: 3600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-1041M./L-1075M. Line Azim.: 0 . Rx Label: 36 Point Normalized.
812-07-23b

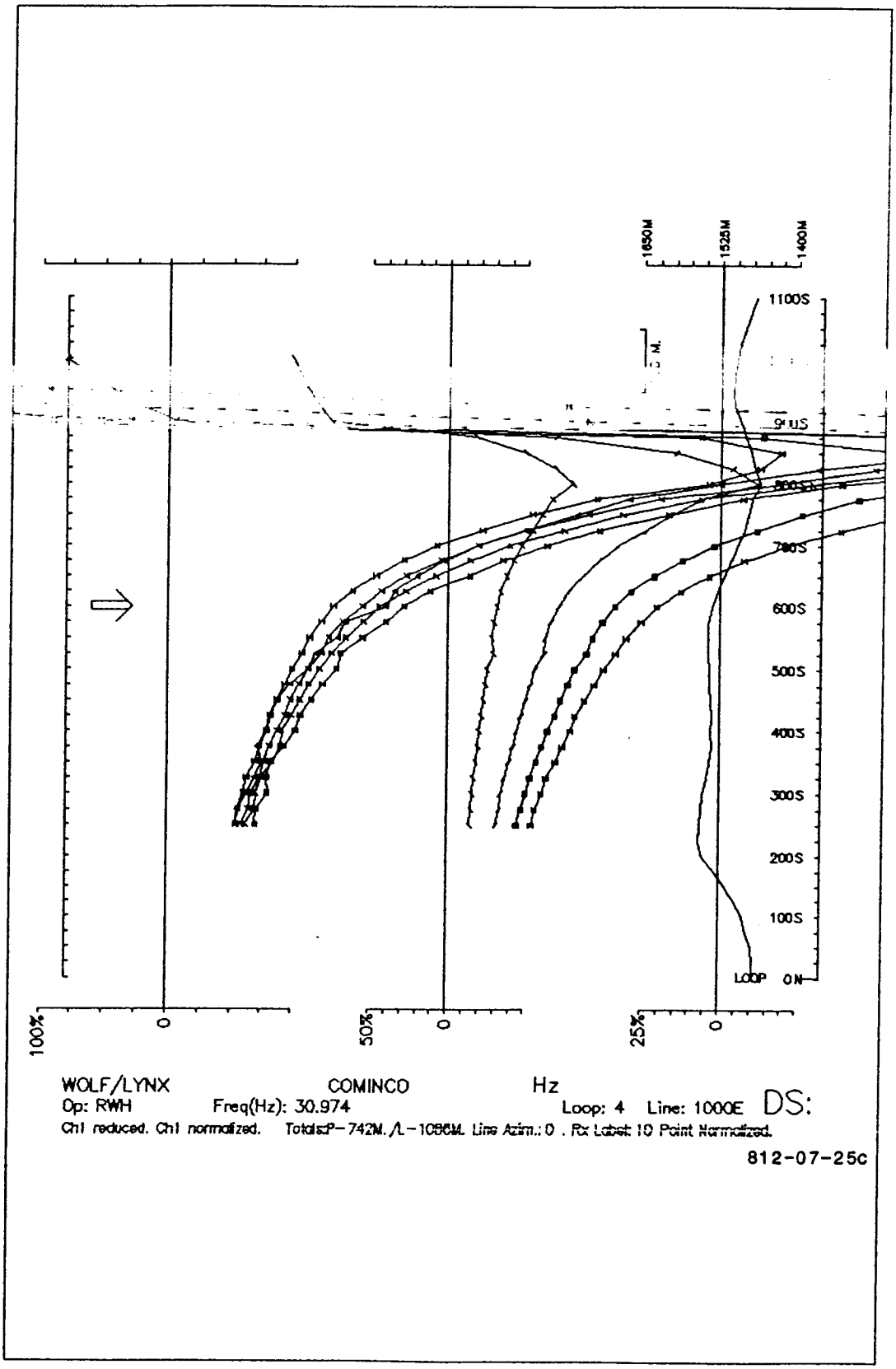

1650 M
1525 M
1400 M
LOOP 100S
100 M.
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4
Line: 800E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-787M. /L-1078M. Line Azim.: 0 . Rx Label: 8
812-07-24a

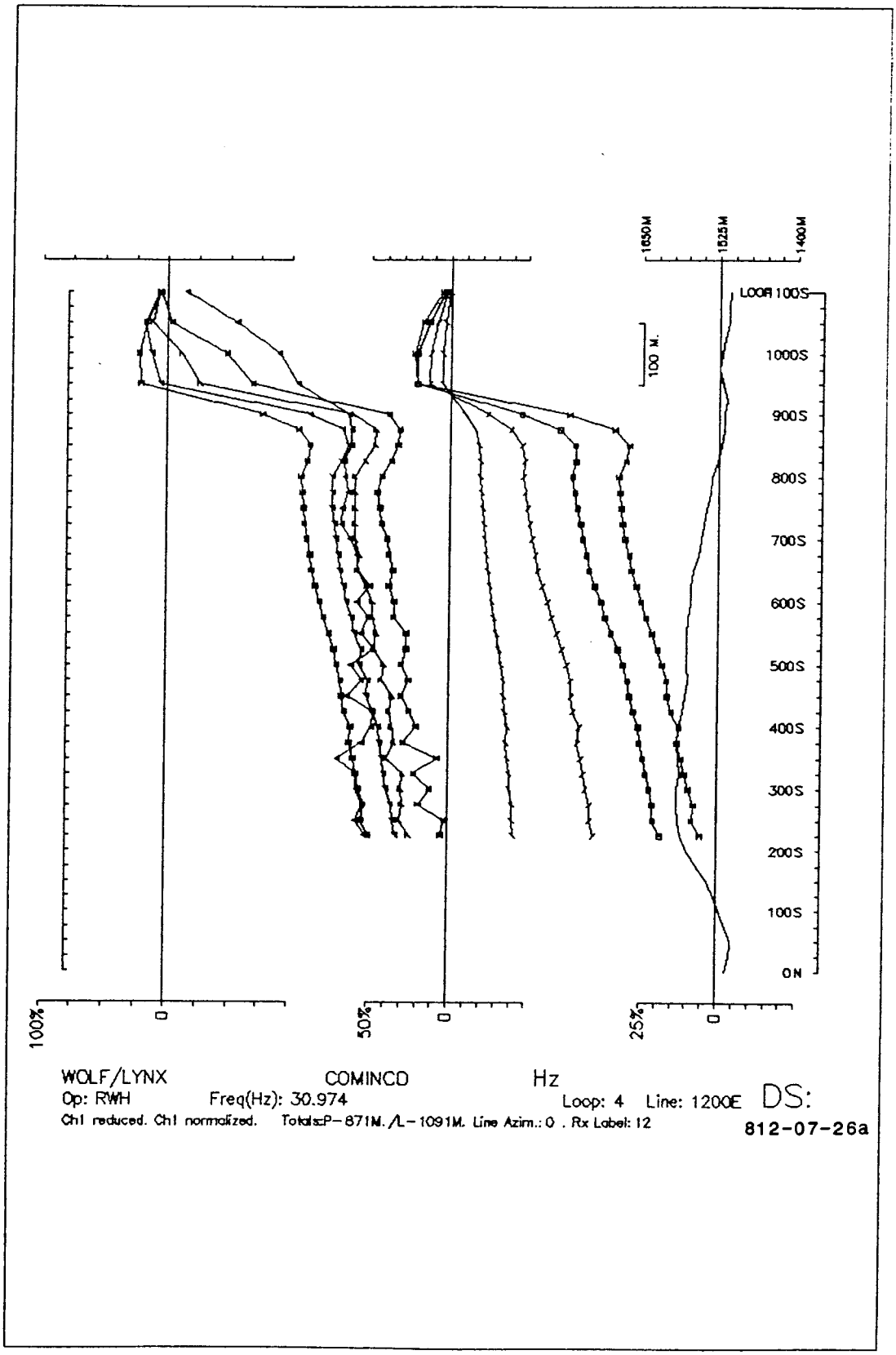

1650 M
1525 M
1400 M
LOOP 1000S
100 M.
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4
Line: 800E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-787M. /L-1078M. Line Azim.: 0 . Rx Label: 8 Point Normalized.
812-07-24b

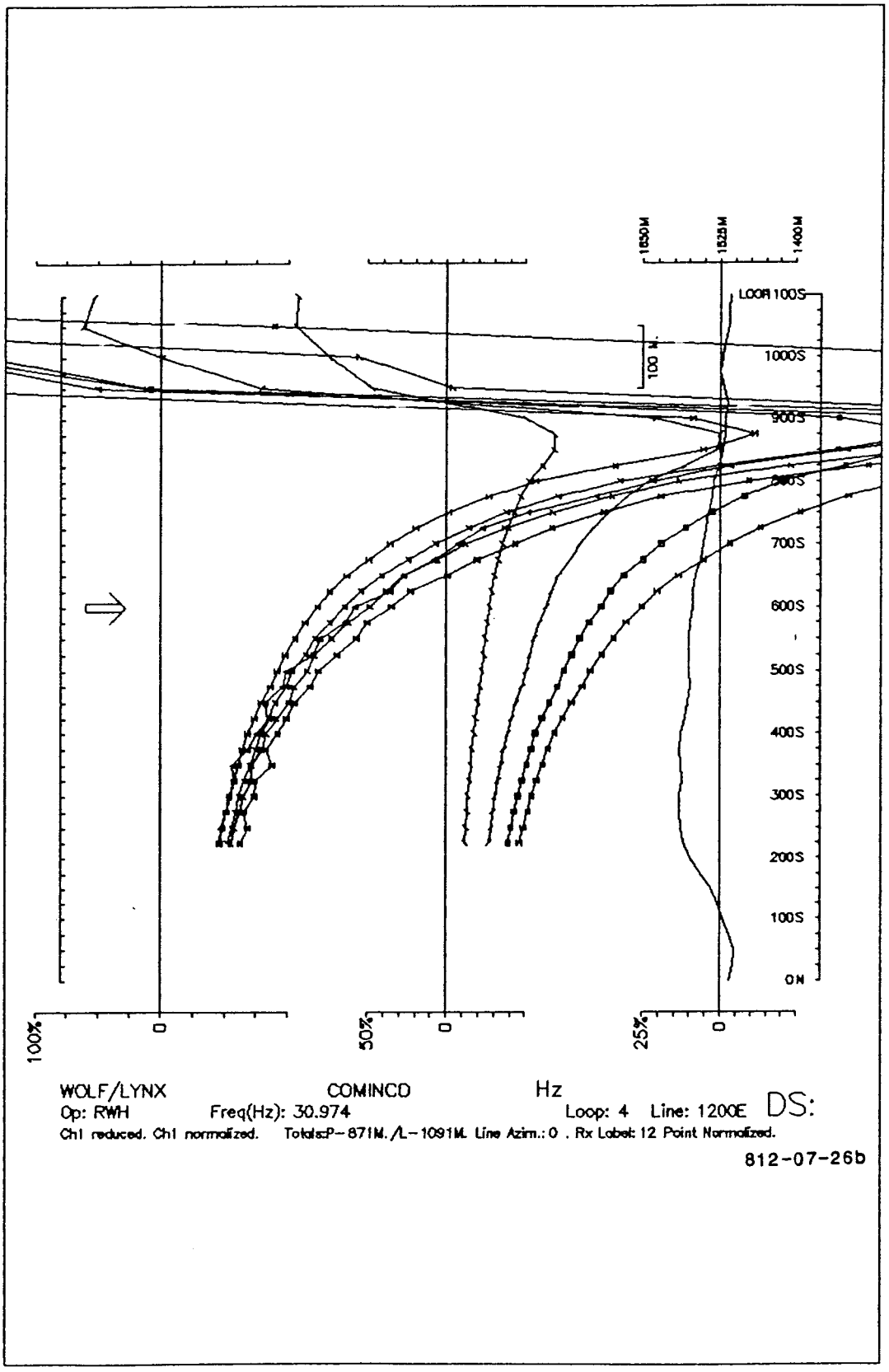

1650M
1525M
1400M
LOOP 100S
100 M
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100%
0
50%
0
25%
0
WOLF/LYNX
Op: RWH
COMINCO
Freq(Hz): 30.974
Hz
Loop: 4 Line: 800E DS:
Ch1 reduced. Ch1 normalized. Totals:P-787M. /L-1078M. Line Azim.: 0 . Rx Label: 8 Point Normalized.
812-07-24c

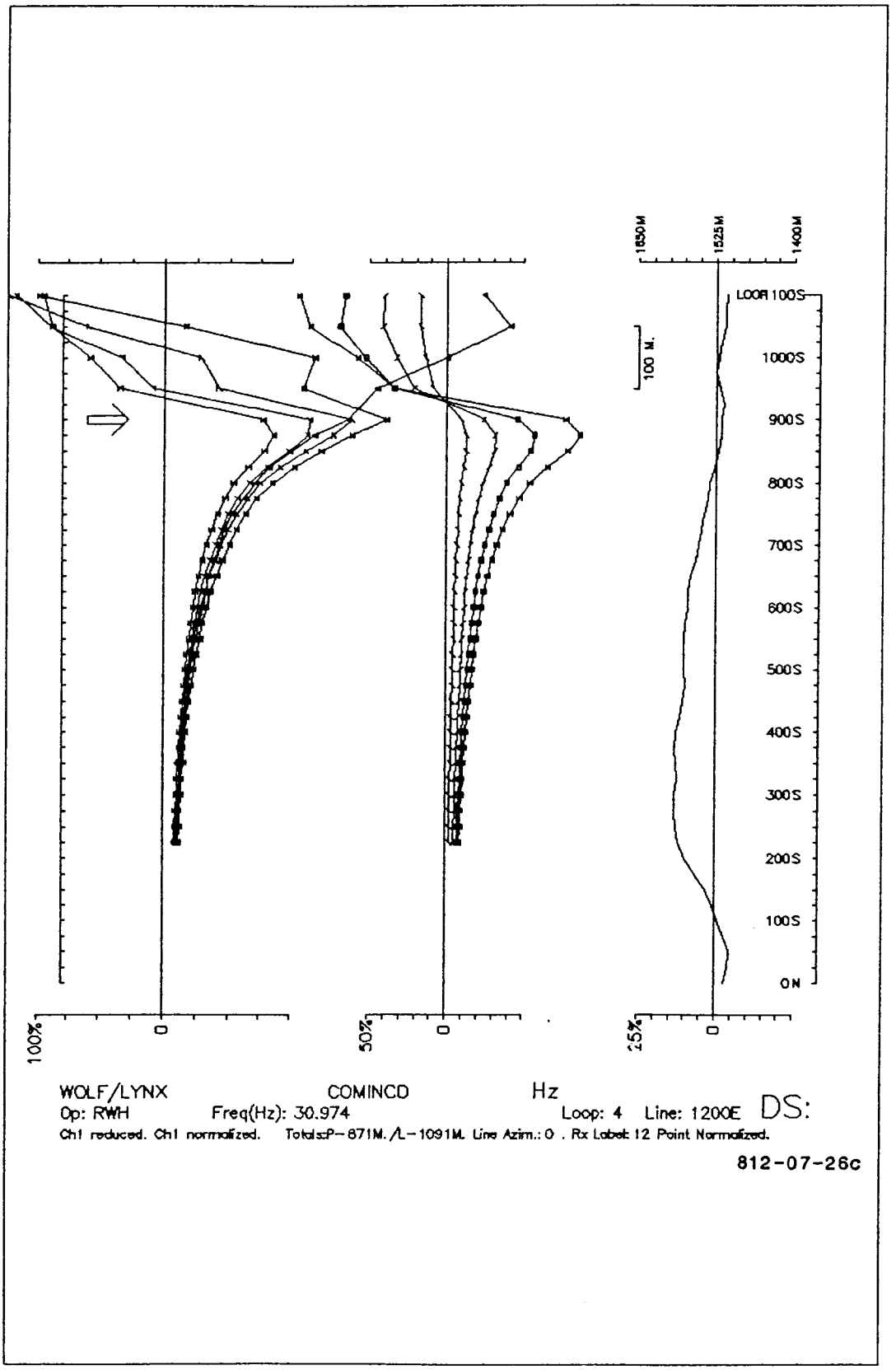

1650M
1525M
1400M
100 M.
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP
0N
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4
Line: 1000E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-742M. /L-1086M. Line Azim.: 0 . Rx Label: 10
812-07-25a

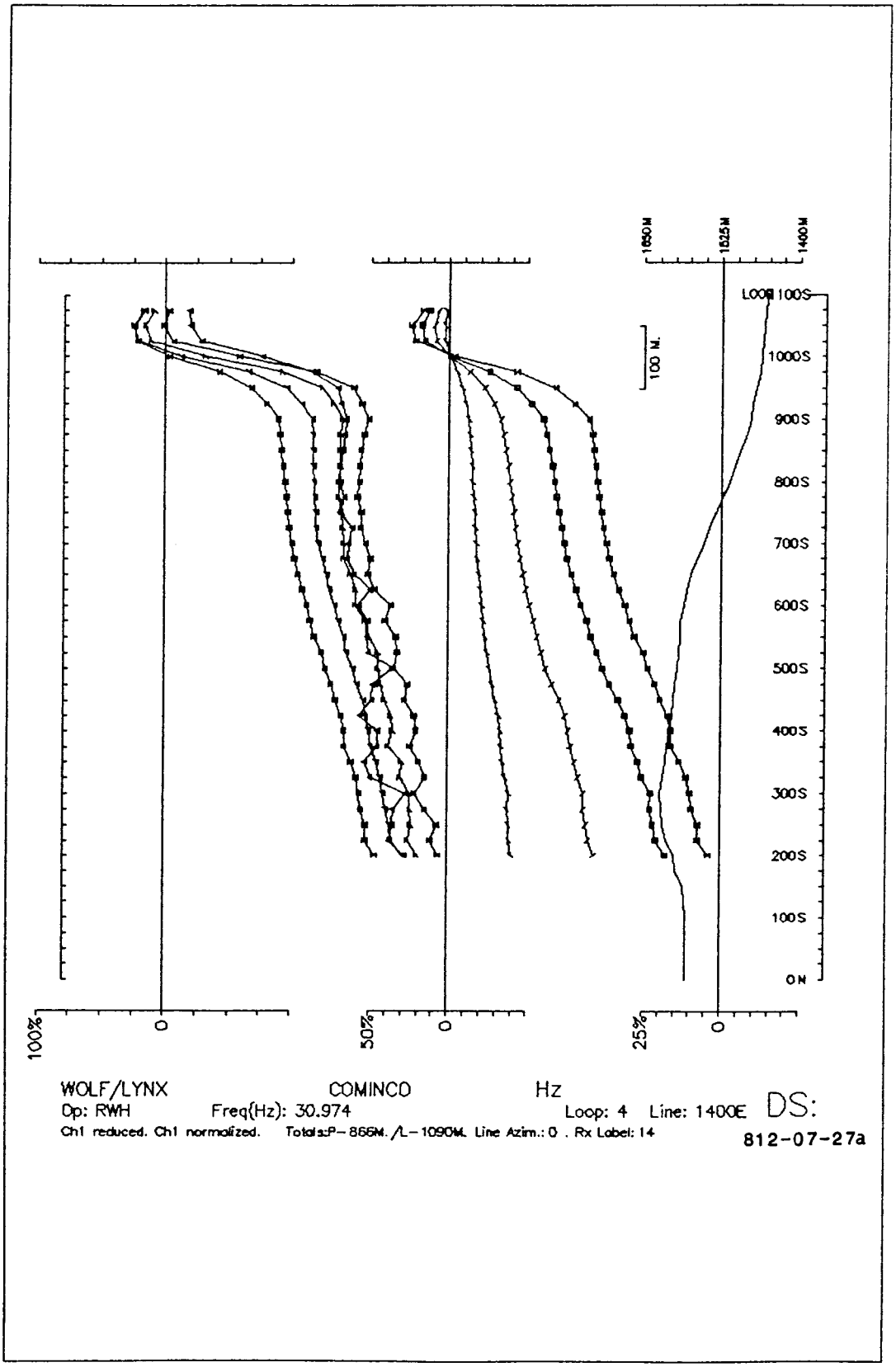

1650M
1525M
1400M
100 M.
1100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP
ON
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4
Line: 1000E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-742M. /L-1086M. Line Azim.: 0 . Rx Label: 10 Point Normalized.
812-07-25b

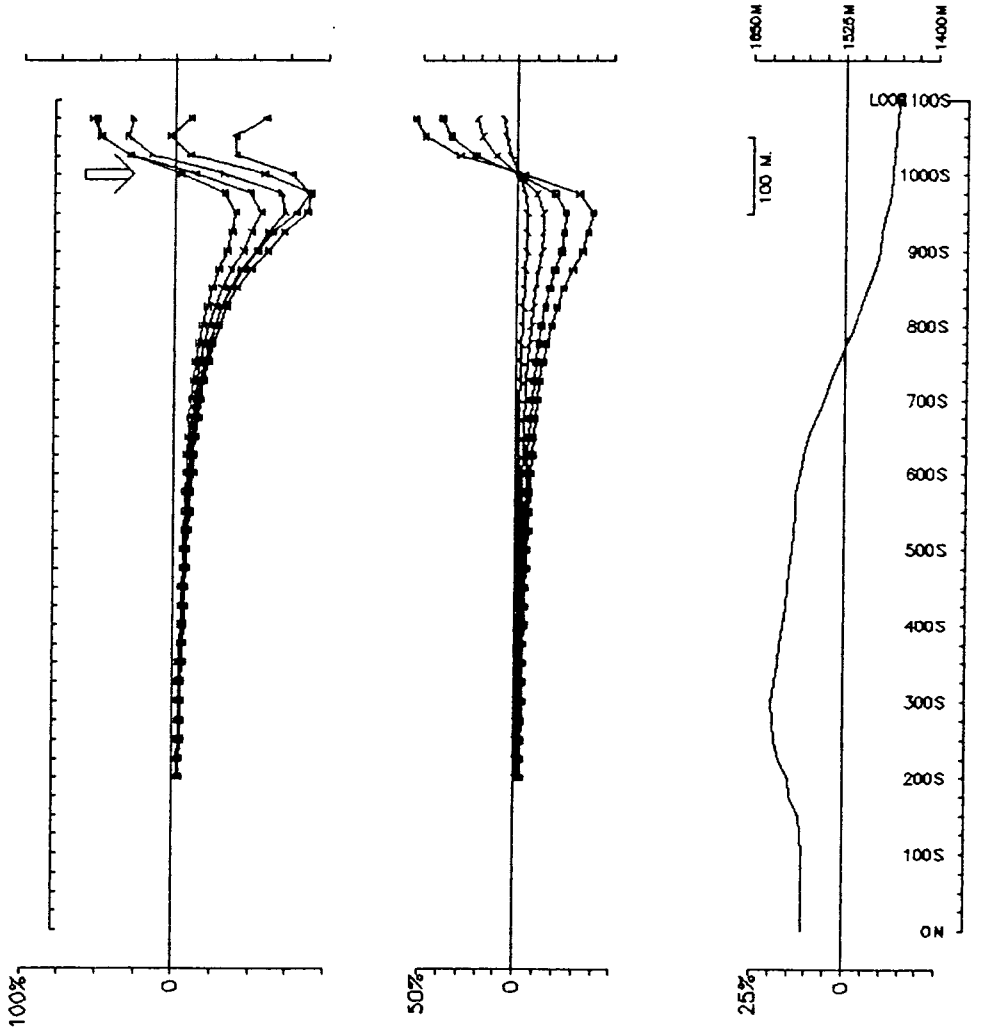

1650M
1525M
1400M
1100S
900S
800S
700S
600S
500S
400S
300S
200S
100S
LOOP
ON
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4
Line: 1000E
DS:
Chl reduced. Chl normalized.
Totals:P-742M./L-1096M. Line Azim.: 0 . Rx Label: 10 Point Normalized.
812-07-25c


1650M
1525M
1400M
LOOP 100S
100 M.
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4 Line: 1200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-871M. /L-1091M. Line Azim.: 0 . Rx Label: 12
812-07-26a


1850M
1525M
1400M
LOOP 100S
100 M.
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4 Line: 1200E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-871M./L-1091M. Line Azim.: 0 . Rx Label: 12 Point Normalized.
812-07-26b


1850M
1525M
1400M
LOOP 100S
100 M.
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
ON
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCD
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4
Line: 1200E
DS:
Ch1 reduced. Ch1 normalized.
Totals:P-871M. /L-1091M. Line Azim.: 0 . Rx Label: 12 Point Normalized.
812-07-26c


1650M
1525M
1400M
LOOP 100S
100 M.
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100%
0
50%
0
25%
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4 Line: 1400E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-866M./L-1090M. Line Azim.: 0 . Rx Label: 14
812-07-27a

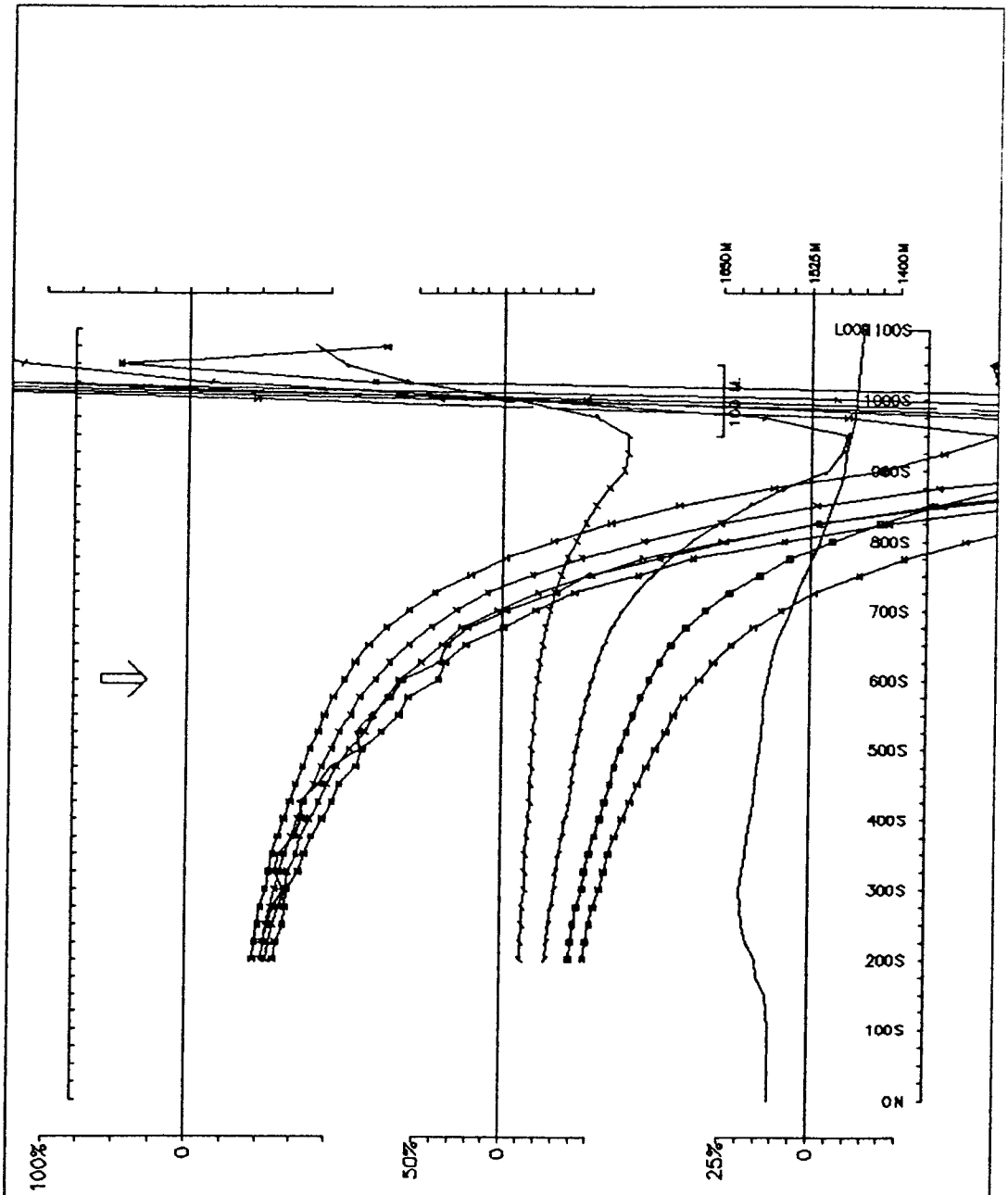


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 4 Line: 1400E DS:

Ch1 reduced. Ch1 normalized. Totals:P-866M./L-1090M. Line Azim.: 0 . Rx Label: 14 Point Normalized.

812-07-27b

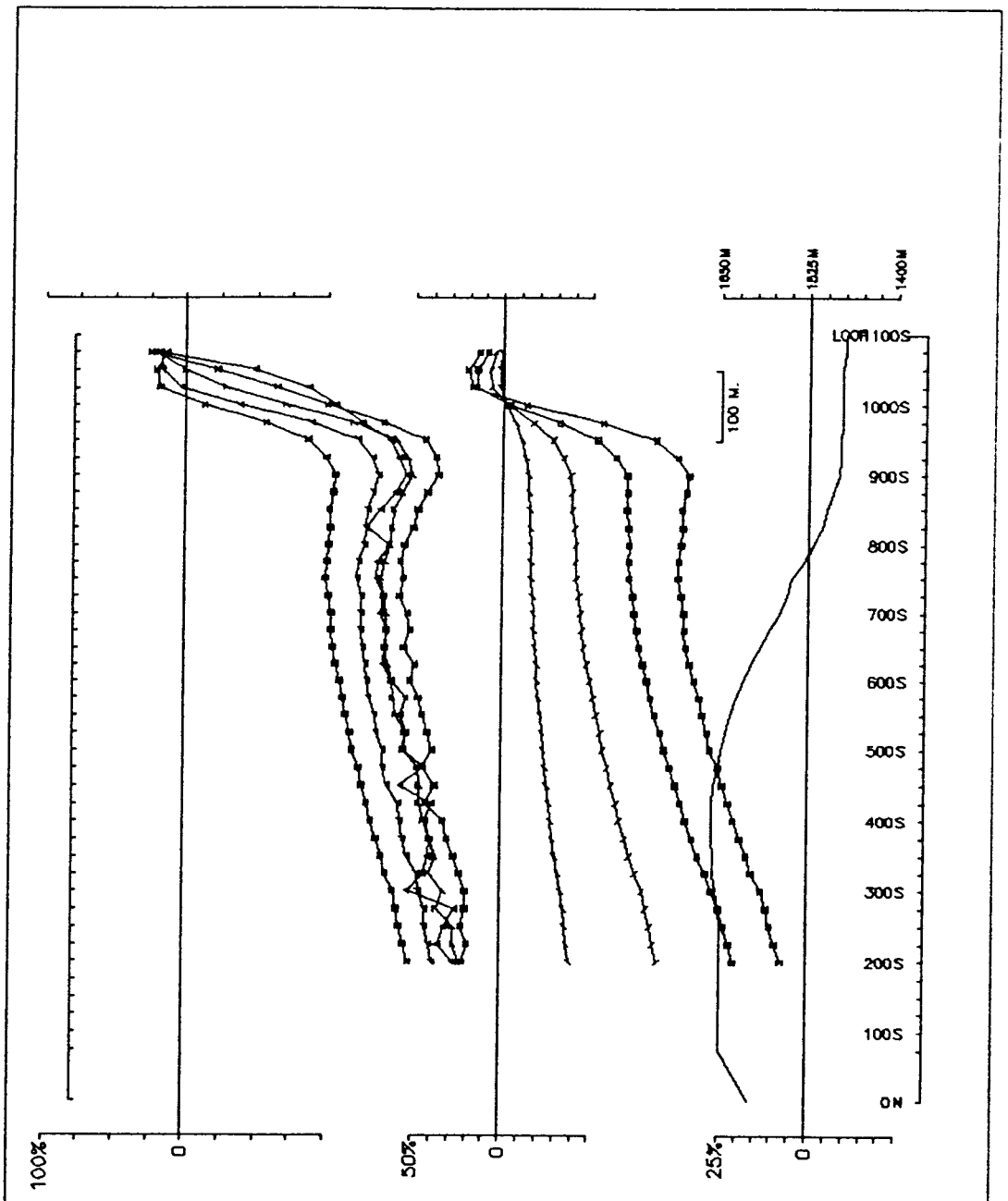


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 4 Line: 1400E DS:

Ch1 reduced. Ch1 normalized. Totals:P-866M. /L-1090M. Line Azim.: 0 . Rx Label: 14 Point Normalized.

812-07-27c

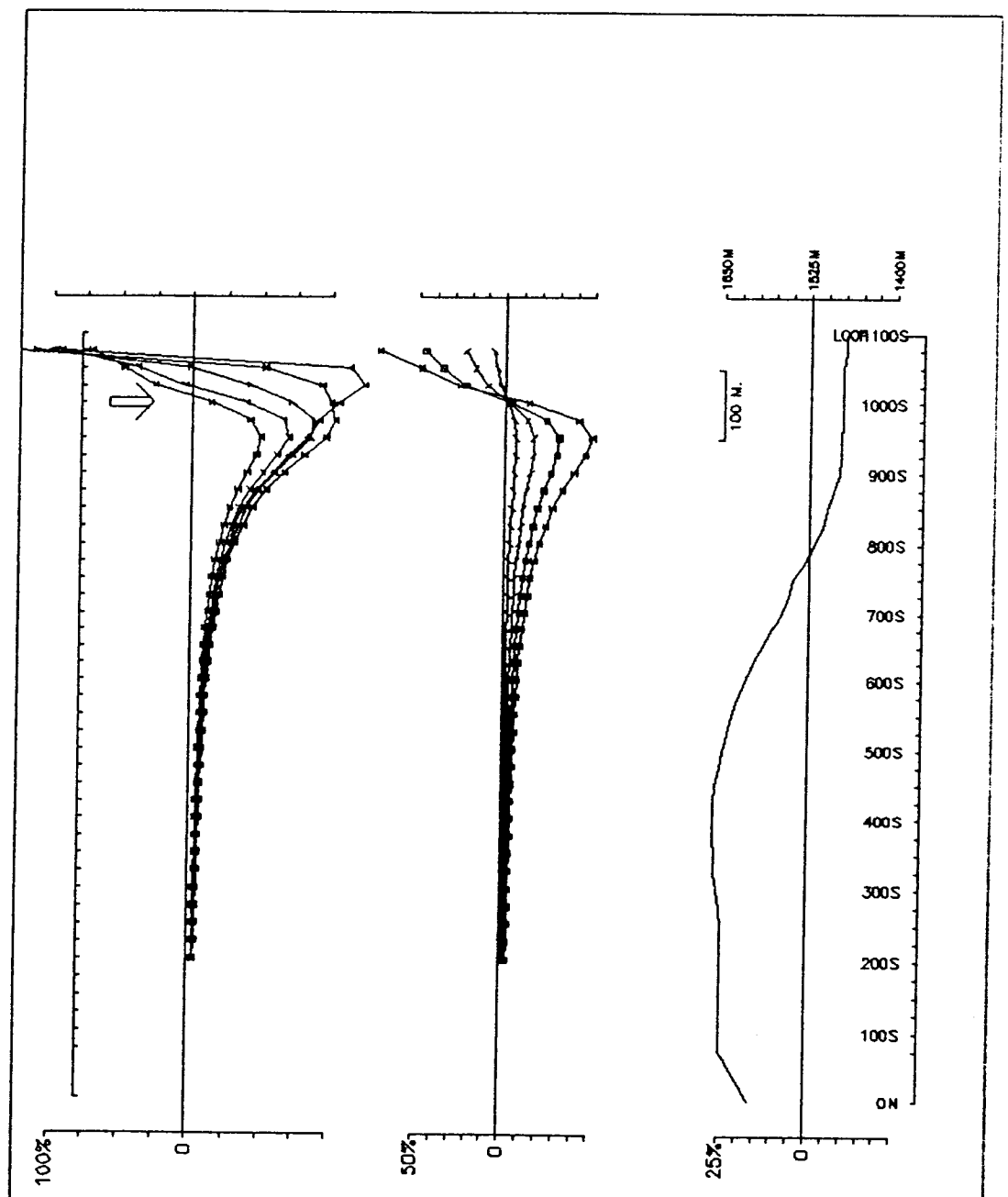


WOLF/LYNX COMINCO Hz

Op: RWH Freq(Hz): 30.974 Loop: 4 Line: 1600E DS:

Ch1 reduced. Ch1 normalized. Totals:P-865M. /L-1087M. Line Azim.: 0 . Rx Label: 16

812-07-28a

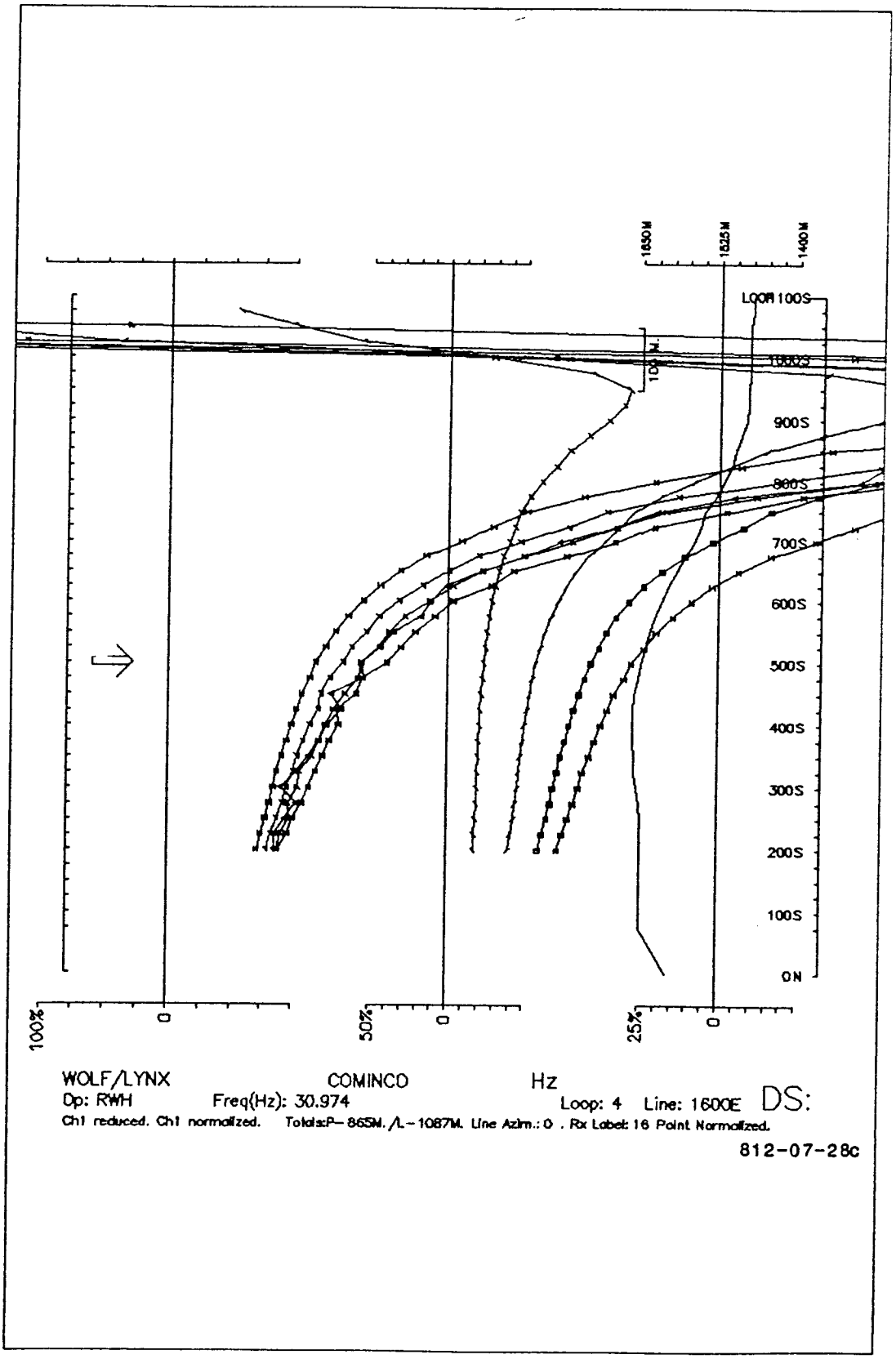


WOLF/LYNX COMINCO Hz

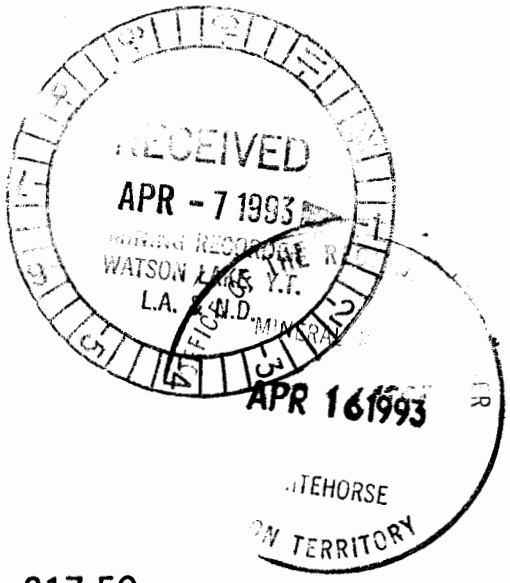
Dp: RWH Freq(Hz): 30.974 Loop: 4 Line: 1600E DS:

Ch1 reduced. Ch1 normalized. Totals:P-865M. /L-1087M. Line Azim.: 0 . Rx Label: 16 Point Normalized.

812-07-28b


1650M
1525M
1400M
LOOP 100S
1000S
900S
800S
700S
600S
500S
400S
300S
200S
100S
0N
100M
100%
50%
25%
0
0
0
WOLF/LYNX
COMINCO
Hz
Op: RWH
Freq(Hz): 30.974
Loop: 4 Line: 1600E
DS:
Ch1 reduced. Ch1 normalized. Totals:P-865M. /L-1087M. Line Azim.: 0 . Rx Label: 16 Point Normalized.
812-07-28c

Statement of Expenditures
Wolf 1-18 Mineral Claims
March 29, 1993



Re: WOLF/LYNX CLAIMS - July-August, 1992

(1) STAFF TIME

R.W. Holroyd - geophysicist		
- Preparation (July 10)		
1/2 day	@ $435/day	217.50
- Travel & Field Work		
(July 20[1/2], 21-30, Aug. 1-3)		
8-1/2 weekdays	@ $435/day	3,697.50
4 weekend days	@ $435/day	1,740.00
1 stat day	@ $435/day	435.00
S.V. Tooley - field assistant		
- Travel & Field Work		
(July 20[1/2, 21-30, Aug. 1-3)		
8-1/2 weekdays	@ $145/day	1,232.50
4 weekend days	@ $145/day	580.00
1 stat day	@ $145/day	145.00
A.M. Robulack - field assistant		
- Travel & Field Work		
(July 20[1/2], 21-31, Aug. 1-3)		
9-1/2 weekdays	@ $115/day	1,092.50
4 weekend days	@ $115/day	460.00
1 stat day	@ $115/day	115.00
F. Dyment - field assistant		
- Travel & Field Work		
(July 20[1/2], 21-31, Aug. 1-3)		
9-1/2 weekdays	@ $110/day	1,045.00
4 weekend days	@ $110/day	440.00
1 stat day	@ $110/day	110.00
Carried Forward		$ 11,310.00

093084

NDN — 210 1210

Geophysical Account Billing cont'd
August 10, 1992 RWH-92-07

Carried Forward	$ 11,310.00

(2) OPERATING DAY CHARGES

16 days @ $445/day	7,120.00

(3) EQUIPMENT RENTAL

UTEM 3 System	16 days @ $250/day	4,000.00	
2nd UTEM Rx	4 days @ $150/day	600.00	
UTEM Wire	16 days @ $ 15/day	240.00	
EDA Mags.	7-1/2 days @ $135/day	1,012.50	
			5,852.50

(4) EXPENSE ACCOUNTS

R.W. Holroyd	July/Aug.	382.42	
S.V. Tooley	July/Aug.	382.42	
A.M. Robulack	July/Aug.	363.55	
F. Dyment	July/Aug.	420.15	
			1,548.54

(5) MISCELLANEOUS

Freight Charges	4,179.41

TOTAL OF THIS INVOICE	$ 30,010.45

for RWH/jel