Header format of EAR

Int.	Position	Name	Contents
1	1–4	LNBLK	Length of a data block ($\geq$1024)
2	5–8	NTBLK	Number of total blocks (Header, spectra & parameters)
3	9–12	NDBLK	Number of data blocks (Spectra only)
4	13–16	LNSEG	Length of segment ($\leq$LNBLK)
5	17–20	LNHEAD	Length of record header
6	21–24	NHBLK	Number of header blocks
7	25–28	NPBLK	Number of parameter blocks
8	29–32	IREC	Record number (since observation program started)
9	33–36	ISTA	Record start time (s) (since epoch)
10	37–40	IEND	Record end time (s) (since epoch)
11	41–44	ITIME	Pure observation time (ms) ($\neq$IEND$-$ISTA)
12	45–48	MOBS	Observation mode 0: Raw data 1: FFT-spectra only 10: FFT-parameters only 11: FFT-spectra & parameters 2: FFT-complex spectra (Reserved) 100: Rainfit 999: Unknown
13	49–52	MTYPE	Data Type (Reserved)
14	53–56	NCOH	Number of coherent integrations
15	57–60	NDATA	Number of recorded data points
16	61–64	NFFT	Number of FFT points
17	65–68	NICOH	Number of incoherent integrations
18	69–72	IPP	IPP (μs)
19	73–76	JBWDTH	Receiver bandwidth (kHz)
20	77–80	MRASS	RASS mode 0: Wind observation 1: RASS observation
21	81–84	NHIGH	Number of height points
22	85–88	NBEAM	Number of beam directions
23	89–92	IAZ(1)	Azimuth angle of beam 1 (deg $\times$ 10)
24	93–96	IAZ(2)	Azimuth angle of beam 2
25	97–100	IAZ(3)	Azimuth angle of beam 3
26	101–104	IAZ(4)	Azimuth angle of beam 4
27	105–108	IAZ(5)	Azimuth angle of beam 5

Int.	Position	Name	Contents
28	109–112	IAZ(6)	Azimuth angle of beam 6
29	113–116	IAZ(7)	Azimuth angle of beam 7
30	117–120	IAZ(8)	Azimuth angle of beam 8
31	121–124	IZE(1)	Zenith angle of beam 1 (deg × 10)
32	125–128	IZE(2)	Zenith angle of beam 2
33	129–132	IZE(3)	Zenith angle of beam 3
34	133–136	IZE(4)	Zenith angle of beam 4
35	137–140	IZE(5)	Zenith angle of beam 5
36	141–144	IZE(6)	Zenith angle of beam 6
37	145–148	IZE(7)	Zenith angle of beam 7
38	149–152	IZE(8)	Zenith angle of beam 8
39	153–156	MSTART	Sampling start range (m)
40	157–160	MSINT	Sampling interval (m)
41	161–164	NFIT	Number of fitting points
42	165–168	LSUBP	Length of a sub-pulse (ns)
43	169–172	NSUBP	Number of sub-pulses (1, 2, 4, 8, or 16)
44	173–176	NPSEQ	Number of pulse sequencies (1–32)
45	177–240	MPULSE	Multi-pulse pattern (2 Bytes×32)
61	241–244	NTXFRQ	Number of TX frequencies
62	245–248	ITXFRQ(1)	TX frequency (kHz) No. 1
63	249–252	ITXFRQ(2)	TX frequency (kHz) No. 2
64	253–256	ITXFRQ(3)	TX frequency (kHz) No. 3
65	257–260	ITXFRQ(4)	TX frequency (kHz) No. 4
66	261–264	ITXFRQ(5)	TX frequency (kHz) No. 5
67	265–268	IRXFRQ	RX frequency offset (Hz)
68	269–272	ITXATT	TX attenuator
69	273–276	IRXATT	RX attenuator
70	277–280	ITXON	TX on(1)/off(0)
71	281–284	IRXON	RX on(1)/off(0)
72	285–288	NECHO	Number of multi-trip echoes
73	289–292	IAOCI	AOC(Auto-Offset Control) I value
74	293–296	IAOCQ	AOC(Auto-Offset Control) Q value
75	297–300	PLATIT	Latitude (°) ... Memo.
76	301–304	PLONGI	Longitude (°) ... Memo.
77	305–308	SEALVL	Above sea level (m) ... Memo.
78	309–312	PN(1)	Noise power density for beam 1 (Relative value)
79	313–316	PN(2)	Noise power density for beam 2
80	317–320	PN(3)	Noise power density for beam 3
81	321–324	PN(4)	Noise power density for beam 4
82	325–328	PN(5)	Noise power density for beam 5
83	329–332	PN(6)	Noise power density for beam 6
84	333–336	PN(7)	Noise power density for beam 7

Int.	Position	Name	Contents
85	337–340	PN(8)	Noise power density for beam 8
86	341–364	RECSTA	Record start time [DD-MMM-YYYY hh:mm:ss]
92	365–376	RECEND	Record end time [hh:mm:ss]
95	377–408	PARNAM	Parameter-file name (32 Bytes)
103	409–440	PRGNAM	Signal processing program name (32 Bytes)
111	441–472	PLACE	Place name (32 Bytes) ... Memo.
119	473–504	RDRNAM	Radar name (32 Bytes) ... Memo.
127	505–584	COMENT	Comment by user (80 Bytes) ... Memo.
147	585–1024		Reserved for the future (440 Bytes)