

BEAM HEADING HP-29C & HP-97

DX AMATEUR RADIO-BEAM HEADING AND DISTANCE for HP-29C
from JAY STODDARD, KA6KIL, PPC 3609, June 14, 1980

Load registers as follows: your station Lat R .0,
Long R .1, place Lat R 1, Long R 2. [R .2 used to
Store CosD]. Press GSB9, displays your beam heading.
Press R/S, displays great circle distance in Km.

01	15	13	08	LBL8	23	23	.2	STO.2
02			03	3	24		22	R↓
03			06	6	25	15	44	→ P
04			00	0	26		21	X::Y
05			51	+	27	15	41	X<0?
06		15	12	RTN	28		12	08 GSB8
07	15	13	09	LBL9	29	14	11	00 FIX0
08		24	.1	RCL.1	30		74	R/S
09			21	X::Y	31	24	.2	RCL.2
10			41	-	32	15	53	COS ⁻¹
11			21	X::Y	33		01	1
12		14	53	COS	34		01	1
13		14	44	→ R	35		01	1
14		24	01	RCL1	36		73	.
15		14	52	SIN	37		01	1
16			21	X::Y	38		02	2
17		15	44	→ P	39		61	x
18			21	X::Y	40	15	12	RTN
19		24	.0	RCL.0				
20			41	-				
21			21	X::Y				Jay Stoddard 3609
22		14	44	→ R				

DX AMATEUR RADIO-BEAM HEADINGS, DISTANCE for HP-67 & 97
from JAY STODDARD, KA6KIL, PPC 3609, June 14, 1980

Load registers as follows: station Lat R1, Long R2.
Place Lat RA, Press A. Prints distance in Kilometers,
your beam heading and his beam heading to you.

001	ALBL3	31	00	024	R1	16-31	947	PRTX	-14
002			03	025	XZY	-41	948	RCL1	36 15
003			06	026	+P	34	949	RCL1	36 01
004			00	027	XZY	-41	950	COS	42
005			-55	028	RCL1	36 01	951	+R	44
006	RTN		24	029	-	-45	952	RCL1	36 01
007	ALBL1	21	01	030	XZY	-41	953	SIN	41
008			01	031	+R	44	954	XZY	-41
009			00	032	COS ⁻¹	16 42	955	+P	34
010			00	033	1	01	956	XZY	-41
011			-55	034	1	01	957	RCL1	36 11
012	RTN		24	035	1	01	958	-	-45
013	ALBL4	21	11	036	1	-52	959	XZY	-41
014	RCL1	36	02	037	1	01	960	+R	44
015	XZY		-41	038	2	02	961	R1	-31
016	-		-45	039	x	-35	962	CHS	-22
017	STOE	35	15	040	GSB8	-63 00	963	+P	34
018	XZY		-41	041	PRTX	-14	964	XZY	-41
019	EEA		-23	042	R1	-31	965	GSB1	23 01
020			44	043	+P	34	966	PRTX	-14
021	XZY		-41	044	XZY	-41	967	RTN	24
022	R1		-31	945	X<0?	16-45	968	R/S	51
925	+P		44	946	GSB8	23 00			

R/S