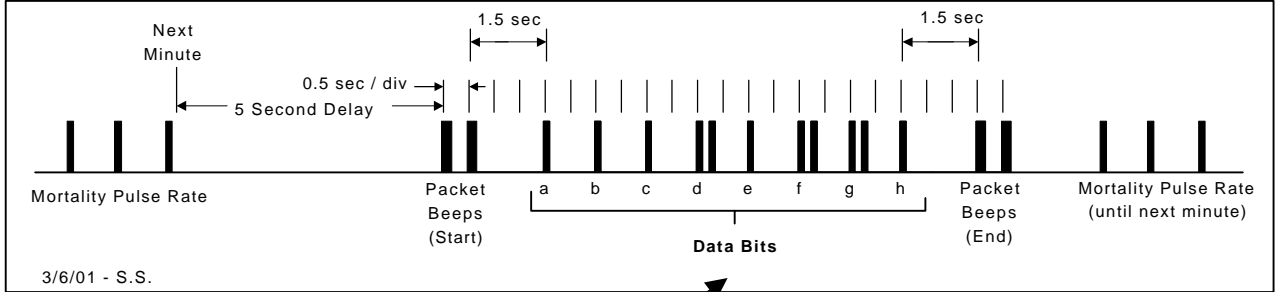


PET Decoding Worksheet

- Packet beeps indicate the start and end of the data bit sequence
- Data bits will be either single (I) or double (II) beeps
- Single data beeps always contribute a '0' value
- Double data beeps contribute various amounts depending on their position within the code (a=128, b=64, c=32, d=16, e=8, f=4, g=2, h=1)
- Summing up the data bit values produces the encoded time value



Mortality Example:

- 1) Record beeps while listening to the transmitter →
- 2) After recording the beeps, decode their values →
- 3) Sum up the values →

Packet Beeps	Data Bits								Packet Beeps
II	a	b	c	d	e	f	g	h	II
	I	I	I	I	I	I	I	I	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum	16 + 4 + 2 = 22								Half-hours

Results: 22 Half-hours have passed since activity was last detected

Packet Beeps	Data Bits								Packet Beeps
II	a	b	c	d	e	f	g	h	II
	I	I	I	I	I	I	I	I	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours

Packet Beeps	Data Bits								Packet Beeps
II	a	b	c	d	e	f	g	h	II
	I	I	I	I	I	I	I	I	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours

Packet Beeps	Data Bits								Packet Beeps
	a	b	c	d	e	f	g	h	
	I	I	I	I	I	I	I	I	
	II	II	II	II	II	II	II	II	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours

Packet Beeps	Data Bits								Packet Beeps
	a	b	c	d	e	f	g	h	
	I	I	I	I	I	I	I	I	
	II	II	II	II	II	II	II	II	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours

Packet Beeps	Data Bits								Packet Beeps
	a	b	c	d	e	f	g	h	
	I	I	I	I	I	I	I	I	
	II	II	II	II	II	II	II	II	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours

Packet Beeps	Data Bits								Packet Beeps
	a	b	c	d	e	f	g	h	
	I	I	I	I	I	I	I	I	
	II	II	II	II	II	II	II	II	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours

Packet Beeps	Data Bits								Packet Beeps
	a	b	c	d	e	f	g	h	
	I	I	I	I	I	I	I	I	
	II	II	II	II	II	II	II	II	
Value	0	0	0	0	0	0	0	0	Single
	128	64	32	16	8	4	2	1	Double
Sum									Half-hours