

## APPENDIX 6. PASSCAL SEG-Y Trace Header Format

<u>Byte #</u>	<u>Description</u>
1 - 4	Trace sequence number within data stream
5 - 8	Trace sequence number within reel (same as above)
9 - 12	Event number
13 - 16	Channel number = 1 or 4 for the vertical component, 2 or 5 for the N-S horizontal component, 3 or 6 for the E-W horizontal component
29 - 30	Trace identification code = 1 for seismic data
69 - 70	Elevation constant = 1
71 - 72	Coordinate constant = 1
89 - 90	Coordinate units = 2 for Lat/Long
103 - 104	Low 2 bytes of the total shift in milliseconds
115 - 116	Number of samples in this trace (note if equal 32767 see bytes 229 - 232)
117 - 118	Sample interval in microsecs for this trace (note if equal 1 see bytes 201 - 204)
119 - 120	Fixed gain flag = 1
121 - 122	Gain of amplifier
157 - 158	Year data recorded
159 - 160	Day of year
161 - 162	Hour of day (24 hour clock)
163 - 164	Minute of hour
165 - 166	Second of minute
167 - 168	Time basis code: 1=local 2=GMT 3=other
174 - 174	Stake number index
181 - 186*	Station Name code (5 chars + 1 for termination)
187 - 194*	Sensor Serial code (7 chars + 1 for termination)
195 - 198*	Channel Name code (3 chars +1 for termination)
199 - 200*	Extra bytes (2 chars)
201 - 204*	Sample interval in microsecs as a 32 bit integer
205 - 206*	Data format flag: 0=16 bit integer 1=32 bit integer
207 - 208*	Milliseconds of second for first sample
209 - 210*	Trigger time year
211 - 212*	Trigger time Julian day
213 - 214*	Trigger time hour
215 - 216*	Trigger time minutes
217 - 218*	Trigger time seconds
219 - 220*	Trigger time milliseconds
221 - 224*	Scale factor (IEEE 32 bit float) (true amplitude = (data value)*(scale factor)/gain)
225 - 226*	Instrument Serial Number

229 - 232*	Number of Samples as a 32 bit integer
233 - 236*	Max value in counts.
237 - 240*	Min value in counts.

\*Header values not specified in the standard SEG-Y format