FRONTIER LAKE SAN ANDREAS
(SUGAR SHACK) 11/07

F180 ANT. OFFSETS
X = -0.21
Y = -1.45
Z = -1.86

Offset Quick Reference Sheet
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Table of offsets to be measured for a standard set-up.

MEASURED OFFSETS.	Ref. fig. 1	ENTER VALUE	Comment.
Configuration - Position Parameters -			
- Attitude Sensor - Height Offset	A	Ø	*should be 0 if MRU is CRP*
- Attitude Sensor - Forward Offset	B	Ø	*should be 0 if MRU is CRP*
- Attitude Sensor - Starboard Offset	C	Ø	*should be 0 if MRU is CRP*
- Position Antenna - Height Offset	D		F180 COMPENSATED
- Position Antenna - Forward Offset	E		
- Position Antenna - Starboard Offset	F		
- Transducer 01 - Height Offset	G	Ø.Ø6	
- Transducer 01 - Forward Offset	H	Ø	
- Transducer 01 - Starboard Offset	I	Ø.Ø55	
- Transducer 01- Water Depth For SOS calc	J		
- Transducer 02 - Height Offset	K	Ø.Ø6	
- Transducer 02 - Forward Offset	L	Ø	
- Transducer 02 - Starboard Offset	M	-Ø.Ø55	
- Transducer 01- Water Depth For SOS calc	N		
Configuration - Sensor Parameters -			
- Attitude Sensor Corrections - Heave - Offset	O		

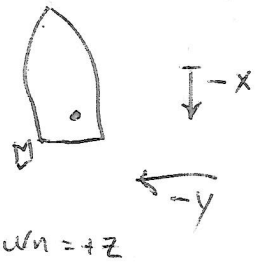
Cover Arm
y = -1.866
x = -0.87
z = +1.05

Note
Signs Reversed Should be.
I ⇒ -
M ⇒ +

OFFSETS FROM CALIBRATION.	ENTER VALUE	Comment.
Configuration - Position Parameters -		
- Position Use - Position Use - Position Offset - Position Time Offset		*get value from calibration*
- Transducer 01 - Elevation Offset		*nominal -30 degrees + value from calibration*
- Transducer 02 - Elevation Offset		*nominal -30 degrees + value from calibration*
Configuration - Sensor Parameters -		
- Attitude Sensor Corrections - Pitch - Offset		*get value from calibration*
- Attitude Sensor Corrections - Heading - Offset		*get value from calibration*

FROM F180

TO HEAD



X	Y	Z
- .466	- .85	+ .40
- .530	- .60	+ .12
~~- .070~~	- .27	+ .52
- .936	- .15	- .50
+ .070	$\boxed{-1.87}$	+ .02
$\boxed{-.866}$		+1.03
		$\boxed{1.05}$