

IMU Arc hole locations CDF coordinates, inches.  
Holes are 0.625 inch diameter.  
Inner and outer arc radii are 151.803 and 149.803+-0.062.  
For each hole listed, there are alternates holes at +- 1.25 degree.  
Arcs that are 6,7 or 8 1.25deg-tubes in length should be supported  
using outer neighbor holes, excepting the SE front topmost support.

West Front

j	x	y	R	phi(rad)	phi(deg)	arc
1	-147.228	32.6396	150.803	2.923426	167.5	2
2	-133.763	69.6328	150.802	2.661627	152.5	2
3	-127.186	81.0261	150.803	2.574361	147.5	3
4	-101.881	111.183	150.803	2.312561	132.5	3
5	-91.8027	119.64	150.803	2.225295	127.5	4
6	-57.7096	139.323	150.803	1.963495	112.5	4
7	-45.3472	143.823	150.803	1.876229	107.5	5
8	-6.57791	150.659	150.803	1.61443	92.5	5
9	6.57791	150.659	150.803	1.527163	87.5	6
10	42.1989	144.778	150.803	1.28718	73.75	6
11	54.6566	140.549	150.803	1.199914	68.75	9
12	89.171	121.614	150.803	0.9381145	53.75	9
13	99.431	113.379	150.803	0.850848	48.75	10
14	125.388	83.7814	150.803	0.5890486	33.75	10
15	132.213	72.5343	150.803	0.5017822	28.75	11
16	146.481	35.8436	150.803	0.2399828	13.75	11
17	150.659	-6.57791	150.803	6.239552	357.5	13
18	148.511	-26.1866	150.802	6.108652	350	13
19	145.664	-39.0306	150.803	6.021386	345	15
20	130.599	-75.4013	150.803	5.759587	330	15
21	123.53	-86.4968	150.803	5.67232	325	16
22	115.521	-96.934	150.803	5.585054	320	16
23	-115.521	-96.934	150.803	3.839724	220	17
24	-121.614	-89.171	150.803	3.774275	216.25	17
25	-128.923	-78.2323	150.803	3.687008	211.25	18
26	-144.778	-42.1989	150.803	3.425209	196.25	18
27	-147.905	-29.4201	150.803	3.337942	191.25	20
28	-150.48	-9.86296	150.803	3.207043	183.75	20

IMU Arc hole locations CDF coordinates, inches

For each hole listed, there are alternates holes at +- 1.25 deg

West Rear

j	x	y	R	phi(rad)	phi(deg)	arc
29	-149.512	-19.6837	150.803	3.272492	187.5	1
30	-149.512	19.6837	150.803	3.010693	172.5	1
31	-147.228	32.6396	150.803	2.923426	167.5	2
32	-133.763	69.6328	150.802	2.661627	152.5	2
33	-127.186	81.0261	150.803	2.574361	147.5	3
34	-101.881	111.183	150.803	2.312561	132.5	3
35	-91.8027	119.64	150.803	2.225295	127.5	4
36	-57.7096	139.323	150.803	1.963495	112.5	4
37	-45.3472	143.823	150.803	1.876229	107.5	5
38	-6.57791	150.659	150.803	1.61443	92.5	5
39	6.57791	150.659	150.803	1.527163	87.5	6
40	45.3472	143.823	150.803	1.265364	72.5	6
41	57.7096	139.323	150.803	1.178097	67.5	9
42	91.8027	119.64	150.803	0.9162979	52.5	9
43	101.881	111.183	150.803	0.8290314	47.5	10
44	127.186	81.0261	150.803	0.567232	32.5	10
45	133.763	69.6328	150.803	0.4799655	27.5	11
46	147.228	32.6396	150.802	0.2181662	12.5	11
47	149.512	19.6837	150.803	0.1308997	7.5	12
48	149.512	-19.6837	150.803	6.152286	352.5	12

49	147.228	-32.6396	150.803	6.065019	347.5	15
50	133.763	-69.6328	150.803	5.80322	332.5	15
51	127.186	-81.0261	150.803	5.715953	327.5	16
52	115.521	-96.934	150.802	5.585054	320	16
53	-115.521	-96.934	150.803	3.839724	220	17
54	-127.186	-81.0261	150.802	3.708825	212.5	17
55	-133.763	-69.6328	150.803	3.621558	207.5	18
56	-147.228	-32.6396	150.803	3.359759	192.5	18

IMU Arc hole locations CDF coordinates, inches

For each hole listed, there are alternates holes at +- 1.25 deg

East Front

j	x	y	R	phi(rad)	phi(deg)	arc
57	147.228	32.6396	150.803	0.2181662	12.5	2
58	133.763	69.6328	150.802	0.4799655	27.5	2
59	127.186	81.0261	150.803	0.567232	32.5	3
60	101.881	111.183	150.803	0.8290314	47.5	3
61	91.8027	119.64	150.803	0.9162979	52.5	4
62	57.7096	139.323	150.803	1.178097	67.5	4
63	45.3472	143.823	150.803	1.265364	72.5	5
64	39.0306	145.664	150.803	1.308997	75	5
65	26.1866	148.511	150.803	1.396263	80	6
66	6.57791	150.659	150.803	1.527163	87.5	6
67	-6.57791	150.659	150.803	1.61443	92.5	7
68	-16.4174	149.906	150.803	1.679879	96.25	7
69	-29.4201	147.905	150.803	1.767146	101.25	8
70	-42.1989	144.778	150.803	1.854412	106.25	8
71	-54.6566	140.549	150.803	1.941679	111.25	9
72	-89.171	121.614	150.803	2.203478	126.25	9
73	-99.431	113.379	150.803	2.290745	131.25	10
74	-125.388	83.7814	150.803	2.552544	146.25	10
75	-132.213	72.5343	150.803	2.63981	151.25	11
76	-146.481	35.8436	150.803	2.90161	166.25	11
77	-150.659	-6.57791	150.803	3.185226	182.5	13
78	-148.511	-26.1866	150.802	3.316126	190	13
79	-145.664	-39.0306	150.803	3.403392	195	15
80	-130.599	-75.4013	150.803	3.665191	210	15
81	-123.53	-86.4968	150.803	3.752458	215	16
82	-115.521	-96.934	150.803	3.839724	220	16
83	115.521	-96.934	150.803	5.585054	320	17
84	121.614	-89.171	150.803	5.650503	323.75	17
85	128.923	-78.2323	150.803	5.73777	328.75	18
86	144.778	-42.1989	150.803	5.999569	343.75	18
87	147.905	-29.4201	150.803	6.086836	348.75	20
88	150.48	-9.86296	150.803	6.217735	356.25	20

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East Rear

j	x	y	R	phi(rad)	phi(deg)	arc
89	149.512	-19.6837	150.803	6.152286	352.5	1
90	149.512	19.6837	150.803	0.1308997	7.5	1
91	147.228	32.6396	150.803	0.2181662	12.5	2
92	133.763	69.6328	150.802	0.4799655	27.5	2
93	127.186	81.0261	150.803	0.567232	32.5	3
94	101.881	111.183	150.803	0.8290314	47.5	3
95	91.8027	119.64	150.803	0.9162979	52.5	4
96	57.7096	139.323	150.803	1.178097	67.5	4
97	45.3472	143.823	150.803	1.265364	72.5	5
98	6.57791	150.659	150.803	1.527163	87.5	5
99	-6.57791	150.659	150.803	1.61443	92.5	6
100	-45.3472	143.823	150.803	1.876229	107.5	6
101	-57.7096	139.323	150.803	1.963495	112.5	9
102	-91.8027	119.64	150.803	2.225295	127.5	9

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103	-101.881	111.183	150.803	2.312561	132.5	10
104	-127.186	81.0261	150.803	2.574361	147.5	10
105	-133.763	69.6328	150.803	2.661627	152.5	11
106	-147.228	32.6396	150.802	2.923426	167.5	11
107	-149.512	19.6837	150.803	3.010693	172.5	12
108	-149.512	-19.6837	150.803	3.272492	187.5	12
109	-147.228	-32.6396	150.803	3.359759	192.5	15
110	-133.763	-69.6328	150.803	3.621558	207.5	15
111	-127.186	-81.0261	150.803	3.708825	212.5	16
112	-115.521	-96.934	150.802	3.839724	220	16
113	115.521	-96.934	150.803	5.585054	320	17
114	127.186	-81.0261	150.802	5.715953	327.5	17
115	133.763	-69.6328	150.803	5.80322	332.5	18
116	147.228	-32.6396	150.803	6.065019	347.5	18