

## C-130H PENETRATION DESCENT TAB DATA (@ 90K)

L/D Max  
137 KIAS †

		ENDING ALTITUDE										
		10	9	8	7	6	5	4	3	2	1	SL
STARTING ALTITUDE	30	29.9	30.9	31.9	32.8	33.8	34.7	35.7	36.6	37.6	38.6	39.4
		670	681	691	701	711	720	729	737	745	752	761
	25	19.7	20.7	21.7	22.7	23.6	24.6	25.5	26.5	27.5	28.4	29.3
		760	772	783	794	804	814	823	830	837	844	854
	22	14.0	15.0	16.0	16.9	17.9	18.8	19.8	20.7	21.7	22.7	23.5
		860	870	878	888	896	904	911	917	922	927	936
	21	12.1	13.1	14.1	15.1	16.0	17.0	17.9	18.9	19.9	20.8	21.7
		909	916	922	930	938	944	950	954	957	962	970
	20	10.3	11.3	12.3	13.2	14.2	15.1	16.1	17.0	18.0	19.0	19.8
		976	978	980	985	989	993	997	999	1000	1003	1010
	19	9.2	10.2	11.2	12.2	13.1	14.1	15.0	16.0	17.0	17.9	18.8
		976	978	980	986	990	995	998	1000	1001	1004	1012
	18	8.2	9.2	10.2	11.2	12.1	13.1	14.0	15.0	16.0	16.9	17.8
		976	978	980	987	992	996	1000	1002	1003	1006	1014
	17	7.2	8.2	9.2	10.2	11.1	12.1	13.0	14.0	15.0	15.9	16.8
		969	973	976	983	989	994	998	1000	1002	1005	1013
	16	6.3	7.3	8.3	9.2	10.2	11.1	12.1	13.0	14.0	15.0	15.8
		960	966	970	978	985	991	996	998	1000	1003	1013
	15	5.2	6.2	7.2	8.2	9.1	10.1	11.0	12.0	13.0	13.9	14.8
		962	968	972	982	989	995	1000	1002	1004	1007	1017
14	4.2	5.2	6.2	7.1	8.1	9.0	10.0	10.9	11.9	12.9	13.7	
	964	971	976	986	994	1000	1005	1007	1008	1012	1022	
13	3.1	4.1	5.1	6.1	7.0	8.0	8.9	9.9	10.9	11.8	12.7	
	968	976	980	992	1000	1006	1011	1013	1014	1017	1028	
12	2.1	3.1	4.1	5.0	6.0	6.9	7.9	8.8	9.8	10.8	11.6	
	976	984	988	1000	1008	1014	1019	1020	1020	1023	1034	
11	1.0	2.0	3.0	4.0	4.9	5.9	6.8	7.8	8.8	9.7	10.6	
	976	988	992	1006	1015	1021	1026	1026	1026	1028	1040	
10	X	1.0	2.0	3.0	3.9	4.9	5.8	6.8	7.8	8.7	9.6	
	X	1000	1000	1017	1026	1031	1034	1033	1032	1034	1047	
7	X	X	X	X	0.9	1.9	2.9	3.8	4.8	5.8	6.6	
	X	X	X	X	1053	1053	1053	1046	1042	1043	1061	
5	X	X	X	X	X	X	1.0	1.9	2.9	3.9	4.7	
	X	X	X	X	X	X	1053	1039	1034	1039	1064	

Key	<b>End Alt</b>
<b>Start Alt</b>	Dist to Descend
<b>Alt</b>	Feet / NM Req'd

Add/Subtract: 1.0 NM per 10 kts of Tail/Head Wind for 20,000 ft alt to lose  
 0.8 NM per 10 kts of Tail/Head Wind for 15,000 ft alt to lose  
 †Add 1kt for Rosemount  
 0.6 NM per 10 kts of Tail/Head Wind for 10,000 ft alt to lose

## C-130H PENETRATION DESCENT TAB DATA (@ 100K)

L/D Max  
144 KIAS †

### ENDING ALTITUDE

		10	9	8	7	6	5	4	3	2	1	SL
		<b>STARTING ALTITUDE</b>	<b>30</b>	31.7	32.8	33.9	35.0	36.0	37.1	38.1	39.2	40.2
631	640			649	658	667	675	682	690	697	702	709
<b>25</b>	21.3		22.4	23.5	24.6	25.6	26.7	27.7	28.8	29.8	30.9	31.9
	704		714	723	733	742	750	758	765	772	777	784
<b>22</b>	15.3		16.4	17.5	18.6	19.6	20.7	21.7	22.8	23.8	24.9	25.9
	784		793	800	809	816	823	829	835	840	843	849
<b>21</b>	13.4		14.5	15.6	16.6	17.7	18.7	19.8	20.8	21.9	23.0	24.0
	824		830	836	843	850	856	861	865	870	871	877
<b>20</b>	11.4		12.5	13.6	14.7	15.7	16.8	17.8	18.9	19.9	21.0	22.0
	877		880	882	887	892	896	899	902	905	905	909
<b>19</b>	10.3		11.4	12.5	13.6	14.6	15.7	16.7	17.8	18.8	19.9	20.9
	874		877	880	886	890	895	898	901	904	905	909
<b>18</b>	9.2		10.3	11.4	12.5	13.5	14.6	15.6	16.7	17.7	18.8	19.8
	870		874	877	884	889	893	897	901	904	904	909
<b>17</b>	8.1		9.2	10.3	11.4	12.4	13.5	14.5	15.6	16.6	17.7	18.7
	864		870	874	881	887	892	897	900	904	904	909
<b>16</b>	7.0		8.1	9.2	10.3	11.3	12.4	13.4	14.5	15.5	16.6	17.6
	857		864	870	878	885	891	896	900	903	904	909
<b>15</b>	5.9		7.0	8.1	9.1	10.2	11.2	12.3	13.3	14.4	15.5	16.5
	855		863	870	879	887	893	898	902	906	906	912
<b>14</b>	4.7	5.8	6.9	8.0	9.0	10.1	11.1	12.2	13.2	14.3	15.3	
	851	862	870	881	889	896	901	905	909	909	915	
<b>13</b>	3.5	4.6	5.7	6.8	7.8	8.9	9.9	11.0	12.0	13.1	14.1	
	857	870	877	889	897	904	909	913	917	916	922	
<b>12</b>	2.3	3.4	4.5	5.6	6.6	7.7	8.7	9.8	10.8	11.9	12.9	
	870	882	889	901	909	915	920	923	926	924	930	
<b>11</b>	1.2	2.3	3.4	4.4	5.5	6.5	7.6	8.6	9.7	10.8	11.8	
	870	889	896	909	917	923	927	930	933	930	936	
<b>10</b>	X	1.1	2.2	3.3	4.3	5.4	6.4	7.5	8.5	9.6	10.6	
	X	909	909	923	930	935	938	940	941	938	943	
<b>7</b>	X	X	X	X	1.1	2.1	3.2	4.2	5.3	6.4	7.4	
	X	X	X	X	952	952	952	952	952	945	952	
<b>5</b>	X	X	X	X	X	X	1.1	2.1	3.2	4.3	5.3	
	X	X	X	X	X	X	952	952	952	941	952	

Key

**End Alt**

**Start**

Dist to Descend

**Alt**

Feet / NM Req'd

Add/Subtract:

1.0 NM per 10 kts of Tail/Head Wind for 20,000 ft alt to lose  
0.8 NM per 10 kts of Tail/Head Wind for 15,000 ft alt to lose  
†Add 1kt for  
Rosemount  
0.6 NM per 10 kts of Tail/Head Wind for 10,000 ft alt to lose

## C-130H PENETRATION DESCENT TAB DATA (@ 110K)

L/D Max 150 KIAS †		ENDING ALTITUDE										
		10	9	8	7	6	5	4	3	2	1	SL
STARTING ALTITUDE	30	33.2	34.4	35.6	36.8	37.9	39.1	40.2	41.4	42.5	43.7	44.8
		603	611	618	626	633	640	647	653	659	664	670
	25	22.6	23.8	25.1	26.2	27.4	28.5	29.7	30.8	32.0	33.2	34.3
		664	672	679	687	695	702	708	714	720	724	730
	22	16.5	17.7	18.9	20.1	21.2	22.4	23.5	24.7	25.8	27.0	28.1
		729	736	741	748	755	761	766	771	775	778	783
	21	14.5	15.7	16.9	18.1	19.2	20.4	21.5	22.7	23.8	25.0	26.1
		760	764	768	775	780	785	790	794	797	799	804
	20	12.5	13.7	15.0	16.1	17.3	18.4	19.6	20.7	21.9	23.1	24.2
		800	801	803	807	812	815	818	821	824	824	828
	19	11.3	12.5	13.7	14.9	16.0	17.2	18.3	19.5	20.6	21.8	22.9
		800	802	803	808	813	816	820	823	825	826	830
	18	10.0	11.2	12.5	13.6	14.8	15.9	17.1	18.2	19.4	20.6	21.7
		800	802	803	809	814	818	821	824	827	827	831
	17	8.8	10.0	11.3	12.4	13.6	14.7	15.9	17.0	18.2	19.4	20.5
		795	798	800	806	812	816	820	824	826	827	831
	16	7.6	8.8	10.1	11.2	12.4	13.5	14.7	15.8	17.0	18.2	19.3
		789	793	796	804	810	815	819	823	826	826	831
	15	6.4	7.6	8.8	10.0	11.1	12.3	13.4	14.6	15.7	16.9	18.0
		787	792	795	804	811	816	821	825	828	828	833
14	5.1	6.3	7.6	8.7	9.9	11.0	12.2	13.3	14.5	15.7	16.8	
	784	791	795	805	812	818	823	827	830	831	836	
13	3.8	5.1	6.3	7.4	8.6	9.7	10.9	12.0	13.2	14.4	15.5	
	784	792	797	808	816	823	828	832	835	835	840	
12	2.6	3.8	5.0	6.2	7.3	8.5	9.6	10.8	11.9	13.1	14.2	
	784	795	800	813	822	828	833	837	840	840	845	
11	1.3	2.5	3.7	4.9	6.0	7.2	8.3	9.5	10.6	11.8	12.9	
	784	800	805	821	830	836	841	844	847	846	851	
10	X	1.2	2.5	3.6	4.8	5.9	7.1	8.2	9.4	10.6	11.7	
	X	816	816	833	842	847	851	854	856	853	858	
7	X	X	X	X	1.2	2.3	3.5	4.6	5.8	7.0	8.1	
	X	X	X	X	870	870	870	870	870	863	870	
5	X	X	X	X	X	X	1.2	2.3	3.5	4.7	5.8	
	X	X	X	X	X	X	870	870	870	860	870	

Key	<b>End Alt</b>
<b>Start Alt</b>	Dist to Descend
<b>Alt</b>	Feet / NM Req'd

Add/Subtract: 1.0 NM per 10 kts of Tail/Head Wind for 20,000 ft alt to lose  
 0.8 NM per 10 kts of Tail/Head Wind for 15,000 ft alt to lose  
 †Add 1kt for Rosemount  
 0.6 NM per 10 kts of Tail/Head Wind for 10,000 ft alt to lose

## C-130H PENETRATION DESCENT TAB DATA (@ 120K)

L/D Max 157 KIAS †		ENDING ALTITUDE										
		10	9	8	7	6	5	4	3	2	1	SL
STARTING ALTITUDE	30	34.6	36.0	37.3	38.6	39.8	41.1	42.3	43.6	44.8	46.1	47.3
		578	584	590	597	603	609	615	620	625	629	634
	25	23.9	25.3	26.6	27.9	29.1	30.4	31.6	32.9	34.1	35.4	36.6
		628	634	639	646	653	659	665	670	674	678	683
	22	17.6	19.0	20.3	21.6	22.8	24.1	25.3	26.6	27.8	29.1	30.3
		682	686	690	696	702	707	711	716	719	722	726
	21	15.6	17.0	18.3	19.6	20.8	22.1	23.3	24.6	25.8	27.1	28.3
		705	708	710	716	721	726	730	733	736	738	742
	20	13.6	15.0	16.3	17.6	18.8	20.1	21.3	22.6	23.8	25.1	26.3
		735	736	736	741	745	748	751	754	756	757	760
	19	12.2	13.6	14.9	16.2	17.4	18.7	19.9	21.2	22.4	23.7	24.9
		738	738	738	743	747	751	754	757	759	759	763
	18	10.8	12.2	13.5	14.8	16.0	17.3	18.5	19.8	21.0	22.3	23.5
		741	741	741	746	750	754	757	759	762	762	766
	17	9.5	10.9	12.2	13.5	14.7	16.0	17.2	18.5	19.7	21.0	22.2
		737	737	738	743	748	752	756	759	761	762	766
	16	8.2	9.6	10.9	12.2	13.4	14.7	15.9	17.2	18.4	19.7	20.9
		732	733	734	741	746	751	755	758	761	761	766
	15	6.9	8.2	9.6	10.8	12.1	13.3	14.6	15.8	17.1	18.4	19.6
		730	732	733	741	747	752	756	759	762	763	767
14	5.5	6.9	8.2	9.5	10.7	12.0	13.2	14.5	15.7	17.0	18.2	
	727	730	732	741	748	753	758	761	764	765	769	
13	4.2	5.5	6.9	8.1	9.4	10.6	11.9	13.1	14.4	15.7	16.9	
	723	727	730	741	749	755	759	763	767	767	772	
12	2.8	4.2	5.5	6.8	8.0	9.3	10.5	11.8	13.0	14.3	15.5	
	714	723	727	741	750	757	762	766	769	769	774	
11	1.4	2.8	4.1	5.4	6.6	7.9	9.1	10.4	11.6	12.9	14.1	
	714	727	732	748	758	764	769	773	776	775	780	
10	X	1.4	2.7	4.0	5.2	6.5	7.7	9.0	10.2	11.5	12.7	
	X	741	741	759	769	775	779	782	784	783	787	
7	X	X	X	X	1.3	2.5	3.8	5.0	6.3	7.6	8.8	
	X	X	X	X	800	800	800	800	800	795	800	
5	X	X	X	X	X	X	1.3	2.5	3.8	5.1	6.3	
	X	X	X	X	X	X	800	800	800	792	800	

Key	<b>End Alt</b>
<b>Start Alt</b>	Dist to Descend
<b>Alt</b>	Feet / NM Req'd

Add/Subtract: 1.0 NM per 10 kts of Tail/Head Wind for 20,000 ft alt to lose  
 0.8 NM per 10 kts of Tail/Head Wind for 15,000 ft alt to lose  
 †Add 1kt for Rosemount  
 0.6 NM per 10 kts of Tail/Head Wind for 10,000 ft alt to lose

## C-130H PENETRATION DESCENT TAB DATA (@ 130K)

L/D Max  
163 KIAS †

		ENDING ALTITUDE										
		10	9	8	7	6	5	4	3	2	1	SL
<b>STARTING ALTITUDE</b>	<b>28</b>	<b>31.5</b>	<b>32.9</b>	<b>34.4</b>	<b>35.7</b>	<b>37.1</b>	<b>38.4</b>	<b>39.8</b>	<b>41.1</b>	<b>42.4</b>	<b>43.8</b>	<b>45.1</b>
		572	578	582	588	594	599	604	609	613	617	621
	<b>25</b>	<b>25.0</b>	<b>26.5</b>	<b>27.9</b>	<b>29.3</b>	<b>30.6</b>	<b>32.0</b>	<b>33.3</b>	<b>34.6</b>	<b>36.0</b>	<b>37.3</b>	<b>38.7</b>
		600	605	609	615	621	626	631	635	640	643	647
	<b>22</b>	<b>18.6</b>	<b>20.1</b>	<b>21.5</b>	<b>22.9</b>	<b>24.2</b>	<b>25.6</b>	<b>26.9</b>	<b>28.2</b>	<b>29.6</b>	<b>30.9</b>	<b>32.3</b>
		645	648	651	656	661	665	669	673	677	680	682
	<b>21</b>	<b>16.6</b>	<b>18.0</b>	<b>19.5</b>	<b>20.8</b>	<b>22.2</b>	<b>23.5</b>	<b>24.9</b>	<b>26.2</b>	<b>27.5</b>	<b>28.9</b>	<b>30.2</b>
		665	667	668	673	677	681	684	688	691	693	695
	<b>20</b>	<b>14.5</b>	<b>16.0</b>	<b>17.4</b>	<b>18.8</b>	<b>20.1</b>	<b>21.5</b>	<b>22.8</b>	<b>24.1</b>	<b>25.5</b>	<b>26.8</b>	<b>28.2</b>
		690	690	690	693	697	699	702	705	707	709	710
	<b>19</b>	<b>13.1</b>	<b>14.5</b>	<b>16.0</b>	<b>17.3</b>	<b>18.7</b>	<b>20.0</b>	<b>21.4</b>	<b>22.7</b>	<b>24.0</b>	<b>25.4</b>	<b>26.7</b>
		690	690	690	694	697	700	703	706	708	710	712
	<b>18</b>	<b>11.6</b>	<b>13.1</b>	<b>14.5</b>	<b>15.9</b>	<b>17.2</b>	<b>18.6</b>	<b>19.9</b>	<b>21.2</b>	<b>22.6</b>	<b>23.9</b>	<b>25.3</b>
		690	690	690	694	698	701	704	707	710	711	713
	<b>17</b>	<b>10.2</b>	<b>11.6</b>	<b>13.1</b>	<b>14.4</b>	<b>15.8</b>	<b>17.1</b>	<b>18.5</b>	<b>19.8</b>	<b>21.1</b>	<b>22.5</b>	<b>23.8</b>
		688	688	688	693	697	701	704	707	710	712	714
	<b>16</b>	<b>8.8</b>	<b>10.2</b>	<b>11.7</b>	<b>13.0</b>	<b>14.4</b>	<b>15.7</b>	<b>17.1</b>	<b>18.4</b>	<b>19.7</b>	<b>21.1</b>	<b>22.4</b>
		686	686	687	692	697	701	704	707	711	713	714
	<b>15</b>	<b>7.3</b>	<b>8.8</b>	<b>10.2</b>	<b>11.6</b>	<b>12.9</b>	<b>14.3</b>	<b>15.6</b>	<b>16.9</b>	<b>18.3</b>	<b>19.6</b>	<b>21.0</b>
		685	686	686	693	698	702	705	709	712	714	716
	<b>14</b>	<b>5.9</b>	<b>7.3</b>	<b>8.8</b>	<b>10.1</b>	<b>11.5</b>	<b>12.8</b>	<b>14.2</b>	<b>15.5</b>	<b>16.8</b>	<b>18.2</b>	<b>19.5</b>
		684	685	686	693	699	703	707	711	714	716	718
	<b>13</b>	<b>4.4</b>	<b>5.8</b>	<b>7.3</b>	<b>8.6</b>	<b>10.0</b>	<b>11.3</b>	<b>12.7</b>	<b>14.0</b>	<b>15.3</b>	<b>16.7</b>	<b>18.0</b>
		686	687	687	696	702	706	710	714	718	720	721
	<b>12</b>	<b>2.9</b>	<b>4.4</b>	<b>5.8</b>	<b>7.2</b>	<b>8.5</b>	<b>9.9</b>	<b>11.2</b>	<b>12.5</b>	<b>13.9</b>	<b>15.2</b>	<b>16.6</b>
		690	690	690	699	706	711	714	719	722	724	725
	<b>11</b>	<b>1.5</b>	<b>2.9</b>	<b>4.4</b>	<b>5.7</b>	<b>7.1</b>	<b>8.4</b>	<b>9.8</b>	<b>11.1</b>	<b>12.4</b>	<b>13.8</b>	<b>15.1</b>
		690	690	690	702	709	714	718	722	726	727	728
<b>10</b>	X	<b>1.5</b>	<b>2.9</b>	<b>4.3</b>	<b>5.6</b>	<b>7.0</b>	<b>8.3</b>	<b>9.6</b>	<b>11.0</b>	<b>12.3</b>	<b>13.7</b>	
	X	690	690	706	714	719	723	727	731	732	733	
<b>7</b>	X	X	X	X	<b>1.4</b>	<b>2.7</b>	<b>4.1</b>	<b>5.4</b>	<b>6.7</b>	<b>8.1</b>	<b>9.4</b>	
	X	X	X	X	741	741	741	744	746	745	745	
<b>5</b>	X	X	X	X	X	X	<b>1.4</b>	<b>2.7</b>	<b>4.0</b>	<b>5.4</b>	<b>6.7</b>	
	X	X	X	X	X	X	741	748	750	748	746	

Key	<b>End Alt</b>
<b>Start Alt</b>	Dist to Descend
<b>Alt</b>	Feet / NM Req'd

Add/Subtract: 1.0 NM per 10 kts of Tail/Head Wind for 20,000 ft alt to lose  
 0.8 NM per 10 kts of Tail/Head Wind for 15,000 ft alt to lose  
 †Add 1kt for Rosemount  
 0.6 NM per 10 kts of Tail/Head Wind for 10,000 ft alt to lose

## C-130H PENETRATION DESCENT TAB DATA (@ 140K)

L/D Max  
170 KIAS

### ENDING ALTITUDE

		10	9	8	7	6	5	4	3	2	1	SL
		<b>STARTING ALTITUDE</b>	<b>26</b>	28.2	29.8	31.3	32.8	34.2	35.7	37.1	38.5	39.9
567	571			575	580	585	589	593	597	602	605	607
<b>24</b>	23.9		25.5	27.0	28.5	29.9	31.4	32.8	34.2	35.6	37.0	38.5
	586		589	593	598	602	606	610	614	618	622	623
<b>22</b>	19.6		21.2	22.7	24.2	25.6	27.1	28.5	29.9	31.3	32.7	34.2
	612		615	617	621	625	628	632	635	639	642	643
<b>21</b>	17.5		19.1	20.6	22.1	23.5	25.0	26.4	27.8	29.2	30.6	32.1
	629		630	631	635	638	641	644	647	651	654	654
<b>20</b>	15.4		17.0	18.5	20.0	21.4	22.9	24.3	25.7	27.1	28.5	30.0
	649		649	649	652	654	656	658	661	664	667	667
<b>19</b>	13.9		15.5	17.0	18.5	19.9	21.4	22.8	24.2	25.6	27.0	28.5
	647		647	647	650	653	656	658	661	664	667	667
<b>18</b>	12.4		14.0	15.5	17.0	18.4	19.9	21.3	22.7	24.1	25.5	27.0
	645		645	645	649	652	655	657	661	664	667	667
<b>17</b>	10.9		12.4	14.0	15.4	16.9	18.3	19.8	21.2	22.6	24.0	25.5
	645		645	645	649	653	656	658	662	665	668	668
<b>16</b>	9.3		10.9	12.4	13.9	15.3	16.8	18.2	19.6	21.0	22.4	23.9
	645		645	645	650	654	657	659	663	667	670	669
<b>15</b>	7.8		9.3	10.9	12.3	13.8	15.2	16.7	18.1	19.5	20.9	22.4
	645		645	645	650	655	658	661	665	668	671	671
<b>14</b>	6.2	7.8	9.3	10.8	12.2	13.7	15.1	16.5	17.9	19.3	20.8	
	645	645	645	651	656	659	662	667	670	674	673	
<b>13</b>	4.6	6.2	7.7	9.2	10.6	12.1	13.5	14.9	16.3	17.7	19.2	
	652	650	649	656	660	664	667	671	675	678	677	
<b>12</b>	3.0	4.6	6.1	7.6	9.0	10.5	11.9	13.3	14.7	16.1	17.6	
	667	659	656	662	667	670	672	677	680	683	682	
<b>11</b>	1.5	3.1	4.6	6.1	7.5	9.0	10.4	11.8	13.2	14.6	16.1	
	667	656	652	661	667	670	673	678	682	685	683	
<b>10</b>	X	1.6	3.1	4.6	6.0	7.5	8.9	10.3	11.7	13.1	14.6	
	X	645	645	659	667	671	674	680	684	687	685	
<b>7</b>	X	X	X	X	1.5	2.9	4.4	5.8	7.2	8.6	10.1	
	X	X	X	X	690	690	690	696	699	702	697	
<b>5</b>	X	X	X	X	X	X	1.5	2.9	4.3	5.7	7.2	
	X	X	X	X	X	X	690	702	706	708	699	

Key

**End Alt**

**Start**

Dist to Descend

**Alt**

Feet / NM Req'd

Add/Subtract:

1.0 NM per 10 kts of Tail/Head Wind for 20,000 ft alt to lose  
0.8 NM per 10 kts of Tail/Head Wind for 15,000 ft alt to lose  
0.6 NM per 10 kts of Tail/Head Wind for 10,000 ft alt to lose