

**Record keeping for the Financial Evaluation of Cow Calf, Backgrounding, Replacement Heifer, and Feedlot Enterprises utilizing Standardized Performance Analysis (SPA) through C.H.A.P.S. 2000 and FINPACK.**

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**Introduction**

Sound business management starts with detailed record keeping and following recognized general account practices to compare financial performance across periods of time. The business of livestock production is no different, though the methods to construct such financial analyses are not commonly standardized. The importance of standardized record keeping in cow-calf operations was addressed with the introduction of "SPA" -Standardized Performance Analysis in the early 1990's by the National Cattlemen's Beef Association. Livestock operations typically rely heavily upon records kept for tax preparation to establish financial performance of the business. This can be erroneous, in that minor changes in inventory can impact the financial position of the business, and yet these inventory changes may not be evident on tax based records.

**Results and Discussion**

To assist Dickinson Research Extension Center (DREC) in monitoring the overall financial status of the center, inventory based financial records are kept. DREC together with the North Dakota Farm Business Management Education program prepare fiscal financial reports through the FINPACK program.

The fiscal calendar of DREC is on a July 1 to June 30 basis. A common perception prevailed that the feed inventory would vary little, when considering that the majority of livestock are on pasture at the end of the fiscal year, however shown in Table 1, perception is not reality. By assigning market values to each feed stuff beginning and ending inventory cash values can be obtained for use on a balance sheet or other related financial documents. Information in Table 2 along with Table 3 allows for the allocation of feed costs to each livestock enterprise. Typical averages on a price per ton basis are \$40 for roughage, \$130 for grains and concentrates, and \$390 for mineral supplements.

To assist in maintaining livestock inventory records ledger sheets shown in Tables 4 through 7 are used. These ledger sheets were provided with the enrollment in the North Dakota Farm Business Management Education program. Each ledger represents an enterprise's livestock inventory. Livestock are transferred from one enterprise to another with a corresponding weight and value attached. To illustrate the accounting process, calves at weaning from Table 4 are transferred to the backgrounding enterprise shown in Table 5. Transfers from the backgrounding enterprise (table 5) forward to heifer development (table 6) or feedlot (table 7). Transfers from heifer development (table 6) go onto the cow-calf enterprise ledger (table 4). These ledgers account for the beginning and ending inventory, animals lost, and livestock sold along with the weight and value. Market values are assigned to the beginning and ending inventory on each ledger, along with livestock transfers that take place between ledgers. Current and historic market reports provided useful benchmarks in establishing these values. Each ledger's ending inventory then perpetuates to the next fiscal years beginning inventory completing the accounting package.

Individual animal records are maintained at DREC starting with individual animal identification. Having each animal uniquely and positively identified allows for the keeping of individual performance records. Individual and overall cow herd performance records are realized utilizing the Cow Herd Appraisal of Performance Software (CHAPS 2000). The current Lifetime Progeny Report with Weaning Performance is shown in Table 8. Each cow is listed, detailing performance through to weaning each year. A numerical measure in MPPA (Most Probably Producing Ability) allows management to sort cows based on the cow's calves performance to weaning. Overall Herd Performance calculated in accordance to the NCBA-IRM-SPA guidelines allows DREC to track critical cow-calf enterprise measures such as Pounds Weaned per Exposed Female. Having report calculation standardized across years allow for the accurate illustration of historical inventory and production graphs displayed in Graph 1.

Coupling financial and production records through Standardized Performance Analysis programs results in management tools necessary to guide business decisions. Knowledge of the business's past and current financial and production position furnish managers with the tools to direct their livestock production business on more than gut instinct alone.

### **Literature Cited**

Beef Improvement Federation. Guidelines for Uniform Beef Improvement Programs. Seventh Edition, 1996.

National Cattlemen's Association and USDA Extension Service. January 29, 1993. Guidelines for Production and Financial Performance Analysis for the Cow-Calf Producer.

North Dakota Farm Business Management Education. North Dakota Farm and Ranch Business Management Annual Report 2000.

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**Table 1. DREC Feedstuff Inventory for July 1, 2000 - June 30, 2001**

<b>Feedstuff</b>	<b>July 1 2000</b>	<b>July 1 2001</b>
	tons	tons
Alfalfa Hay	57.34	
Alfalfa Grass Hay	147.83	13.54
Barley Grain	37.77	55.86
Beef Minerals	0.59	0.53
Canola Meal		1.01
Clover Hay		19.84
Cob Corn		
Commercial Ration	1.22	1.16
Corn Grain	30.03	15.40
CRP Hay	94.20	
Custom Mixed Ration	4.43	
DiCalcium Phosphate	0.47	0.17
Fishmeal	0.33	
Grass Hay	169.63	18.29
Horse Minerals		
Limestone	2.01	
MonoCalcium Phosphate	0.49	0.11
Oat Clover Hay		
Oat Grain		
Oat Hay	18.00	
Pea Grain	22.37	5.41
Soybean Oil Meal	14.69	1.27
Straw		102.75
Sunflower Oil		
Swine Premixs	0.58	0.34
Trace Mineral Salt	0.86	0.00
Wheat Hay		3.85
Whey	2.48	0.20
White Salt	4.24	2.03
<b>Total</b>	<b>609.54</b>	<b>241.75</b>

**Table 2. DREC Feed Deliveries for July 1, 2000 - June 30, 2001**

<b>Group</b>	<b>Total Feed Fed</b>	<b>Total of All Feeds</b>	<b>Forage Roughage</b>	<b>Grain/Cake Concentrates</b>	<b>Mineral Supplements</b>
	%	tons	tons	tons	tons
Beef	88.4	1737.10	1471.68	249.37	16.05
Horse	4.1	79.63	79.63	0.25	1.22
Swine	6.8	134.49		125.31	9.19
Sheep	0.7	14.33	14.28		0.05
<b>Total</b>		<b>1965.55</b>	<b>1565.58</b>	<b>374.93</b>	<b>26.50</b>

**Table 3. DREC Feedstuff Usage for July 1, 2000 - June 30, 2001**

<b>Feedstuff</b>	<b>Beef</b>	<b>Horse</b>	<b>Swine</b>	<b>Sheep</b>
	tons	tons	tons	tons
Alfalfa Hay	210.77			
Alfalfa Grass Hay	330.50	5.57		
Barley Grain			34.39	
Beef Minerals	9.58			
Canola Meal			3.72	
Clover Hay	13.16			
Cob Corn	0.02			
Commercial Ration	23.93			
Corn Grain	103.38		65.89	
CRP Hay	33.94	37.41		
Custom Mixed Ration	118.17			
DiCalcium Phosphate			1.14	
Fishmeal			0.52	
Grass Hay	640.40	36.65		14.28
Horse Minerals		0.54		
Limestone	0.17		1.07	
MonoCalcium Phosphate			0.24	
Oat Clover Hay	58.82			
Oat Grain		0.25		
Oat Hay	126.71			
Pea Grain	3.88		13.08	
Soybean Oil Meal			11.95	
Straw	*	*	*	*
Sunflower Oil			0.73	
Swine Premixs			0.61	
Trace Mineral Salt	0.27		0.46	
Wheat Hay	57.38			
Whey			0.69	
White Salt	6.03	0.68		0.03
<b>Total</b>	<b>1526.32</b>	<b>81.09</b>	<b>134.49</b>	<b>14.31</b>

\*Individual Species Usage Records Unavailable



Transferred Out				44	227								271	
Weight				17,993	135,187								153,180	
Value \$				\$16,095	\$126,711								\$142,806	
Died								2	9	5	3	7	1	27
End of Month	271	271	271	227	0	0	0	147	290	308	332	347	2464	







**Table 7. Monthly Inventory for DREC Cattle on Feed at Decatur County Feedyard 2000-2001**

<b>1st of Month</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>Totals</b>
First of Month	52	27	22	15	15	15	118	118	117	75	51	17	642
Purchased													0
Weight													0
Value \$													\$0
Born													0
Transferred In						118							118
Weight						84,161							84,161
Value \$						\$76,587							\$76,587
Sold	25	5	7			2			42	24	34	11	150
Weight	30,518	5,714	8,076			2,672			46,903	27,864	38,333	12,862	172,942
Value \$	\$21,301	\$3,892	\$5,417			\$2,235			\$36,865	\$22,333	\$28,520	\$9,679	\$130,242
Butchered													0
Weight													0
Value \$													0
Transferred Out						13							13
Weight						15,845							15,845
Value \$						\$11,610							\$11,610
Died								1				1	2
End of Month	27	22	15	15	15	118	118	117	75	51	17	5	50

Table 8. Lifetime Progeny Report  
Weaning Performance

Herd ID: H38  
04-01-2002 10:07AM

Cow ID	Age of Cow	Breed	MPPA	Number Born	Number Weaned	Cav Interval	Sire of Cow	Actual Weaning		Adj 205		Adj 205 Mgt	Frame Score	Cont	Sire ID	Cow ID	Cow Cond
								Weight	Weight	Ratio	Code						
A1001	10	ANMX	95.1	9	9369	Unkn	AN										
					3068	2	34020	70	515	548	900		1.94	2.25		AN74	
					4040	3	34414	98	575	580	102		2.16	2.605	25	Unkn	CH
					5146	2	34790	81	542	558	94	5.30	2.11	2.475		Unkn	CH 6.51340
					6278	3	35170	108	500	512	89	4.10	1.97	2.511	N	Unkn	CH 61105
					7117	3	35488	100	662	545	95	5.50	2.17	2.561	N	RBOW	1380
					8048	2	35852	85	586	506	92	4.70	1.93	2.261	N	155	1435
					9021	2	36216	89	632	548		5.30	2.11	2.461	N	155	71435
					0208	2	36602	91	518	485	90	5.00	1.81	2.194	5	SKOG	51218
					1269	3	36971	108	742	671	1010	6.60	2.74	3.216	S16	Unkn	HH 61420
A1003	10	ANMX	100.9	9	9366	Unkn	AN										
					3083	3	34031	84	578	609	990		2.27	2.65		AN20	
					4258	2	34464	65	453	0	K		2.19	2.566	26	Unkn	CH
					5180	3	34790	81	617	583	99		2.35	2.711	S	Unkn	CH 5.51328
					6156	3	35145	78	493	499	92	3.90	2.05	2.44B	E	Unkn	CH 61328
					7065	2	35482	93	676	571	100	4.80	2.20	2.550	E	155	61470
					8194	2	35879	92	686	648	114	6.50	2.56	2.960	E	RBOW	61425
					9154	3	36240	105	718	644	106	6.50	2.63	3.080	E	5681	51244
					0128	3	36588	92	712	600	104	5.80	2.48	2.854	8	HP92	51270
					1175	2	36955	86	586	528	940	5.40	2.03	2.384	PP	205	61590
A1006	10	ANMX	107.4	9	9365	Unkn	AN										
					3121	2	34042	94	554	634	1050		2.22	2.68		AN22	
					4157	3	34426	113	635	665	117		2.50	3.045	25	Unkn	CH
					5219	3	34817	128	617	670	111	6.40	2.55	3.215		Unkn	CH 61313

				6271	2	35168	107	557	651	118	5.80	2.503.095	BL	UnknCH	71315
				7261	2	35526	110	596	628	111	5.10	2.382.925	W	MESS	61455
				8163	3	35873	120	672	667	115	6.80	2.673.253		RBOW	61380
				9162	3	36242	122	748	678	111	6.50	2.713.240	E	5932	51285
				0219	2	36605	93	502	475	88	5.10	1.762.154	5	MS46	51170
				1206	3	36962	90	774	674	1020	5.40	2.853.236	S16	UnknHH	61430
A1025	10ANHH	100.2	9	8370		UnknAN									
				3037	3	34012	82	642	611	1000		2.292.62		AN74	
				4031	3	34412	96	587	550	95		2.022.420	20	UnknCH	
				5074	3	34777	119	705	637	106		2.432.930	E	UnknCH	61332
				6243	3	35160	111	550	542	100	5.90	2.102.630	E	UnknCH	61228
				7128	3	35489	83	684	0	N	4.80	2.332.650	E	132	61417
				8260	3	35944	105	443	607	97	5.70	2.453.21M	7C	RBOW	61450
				9283	2	36300	94	448	593		4.20	2.302.91M		MESS	61365
				KMS1	0	36526			0	A			X	Unknown	
				1271	3	36971	118	660	601	1040	5.60	2.362.874		MS13	61440
A1101	10ANHH	92.56	8	8365		UnknAN									
				4058	2	34415	81	463	487	99		1.692.053	23	UnknCH	
				5143	2	34789	73	420	512	90	5.00	1.942.353	S	UnknCH	
				6108	2	35135	76	522	534	91	5.20	2.112.473	N	155	71440
				7134	2	35488	74	554	477	84	4.20	1.852.140	E	1445	71410
				8168	2	35874	82	570	529	93	4.10	2.062.410	E	MESS	71395
				9008	2	36213	72	578	495		4.80	1.952.220	E	142	71260
				0222	3	36606	74	548	495	91	3.10	2.052.370	E	MS46	61345
				1252	3	36970	88	626	561	890	4.10	2.312.690	E	L28	61425
A1103	10ANHH	93.36	9	9371		UnknAN									
				3023	2	34006	86	597	579	0		2.002.34		UnknCH	
				4191	2	34429	76	414	470	81		1.642.015	25	UnknCH	
				5189	3	34798	86	545	552	91	5.50	2.182.585		UnknCH	61160
				6119	3	35137	80	637	621	101	4.80	2.643.025	BL	1445	71210
				7073	2	35483	69	562	502	89	4.30	2.002.285	W	132	71234
				8073	3	35854	65	652	533	87	5.00	2.282.540	E	142	51190
				9079	3	36225	84	632	537	88	4.20	2.212.550	E	1445	61190
				0170	3	36595	90	650	564	104	5.40	2.312.690	E	SKOG	51112
				1286	3	36972	90	660	596	950	4.10	2.472.860	E	L28	61234

A1104	10ANHH 108.98	9	9373	UnknAN									
	3014		3	34003	93	700	643	0		2.392.76		UnknLM	
	4080		2	34416	89	636	624	113		2.292.660	20	UnknCH	
	5159		3	34791	112	573	548	91		2.032.520	W	UnknCH	5.51282
	6241		3	35160	116	640	630	116	6.40	2.513.060	W	UnknCH	61212
	7193		3	35502	120	740	639	107	6.60	2.533.020	W	RBOW	61445
	8186		3	35878	132	814	732	120	7.20	2.933.490	W	RBOW	61380
	9181		2	36248	120	738	717	120	6.70	2.753.280	W	5681	51330
	0231		2	36614	78	526	514	95	4.70	2.012.360	W	MS46	51290
	1307		2	36986	117	756	757	1220	5.80	2.943.480	W	L26	61465
A1105	10ANHH 96.30	9	9366	UnknAN									
	3050		3	34014	78	620	588	960		2.192.51		UnknLM	
	4045		2	34415	89	505	539	93		1.892.305	25	UnknCH	
	5089		3	34780	85	573	542	89	6.10	2.132.505		UnknCH	7.51452
	6171		3	35149	96	625	641	105	6.00	2.663.145	BL	HOBO	71436
	7185		3	35501	83	632	574	98	5.10	2.402.765	E	MESS	71490
	8074		3	35854	84	670	551	98	4.70	2.282.611	N	155	71485
	9027		2	36217	89	648	563		5.10	2.182.531	N	HP93	71420
	0010		3	36573	75	708	565	98	5.00	2.392.674	7	176	61234
	1110		3	36945	84	706	580	880	5.10	2.422.756	S16	196	61495
A1108	10ANHH 99.09	9	9367	UnknAN									
	3071		3	34023	85	550	565	920		2.052.42		UnknCH	
	4050		3	34415	94	473	478	96		1.682.093	23	UnknCH	
	5110		3	34783	90	517	583	94	6.30	2.312.793	N	UnknCH	
	6217		3	35156	114	648	690	114	5.10	2.813.413	N	UnknCH	61220
	7218		3	35506	90	542	502	87	5.00	2.012.413		UnknAN	61305
	8078		3	35854	101	770	635	109	4.60	2.603.002	W	127	
	9140		2	36238	94	636	595	97	5.60	2.312.712	W	5230	61250
	0110		3	36585	94	728	610	108	4.70	2.522.892	W	HP93	41068
	1205		2	36962	85	640	585	930	5.00	2.302.662	W	L07	51285
A1110	10ANHH 92.85	9	9366	UnknAN									
	3070		3	34022	80	523	526	860		1.892.23		UnknLM	
	4153		2	34427	81	430	474	96		1.632.013	23	UnknCH	
	5048		2	34774	78	472	538	94	4.50	2.032.433	N	UnknCH	
	6102		2	35150	62	518	0	K	4.50	2.332.643	N	RBOW	61309
	7101		2	35486	86	568	516	91	4.90	1.982.335	E	132	61310



A1122	0ANGV	0	XXX	Unknown									
A1123	0ANGV	0	XXX	Unknown									
A1124	0ANGV	0	XXX	Unknown									
A1X40	10ANHH 100.07	9	9365	UnknAN									
	3078		3	34028	73	600	622	1010	2.382.71		AN20		
	4207		3	34433	108	569	574	99	2.082.560	20	UnknCH		
	5155		3	34791	89	658	623	104	2.512.900	E	UnknCH	61317	
	6209		3	35154	96	544	523	96	4.80 2.082.530	E	UnknCH	61193	
	7053		2	35481	83	650	546	96	5.30 2.132.440	E	127	61390	
	8094		3	35856	110	794	660	108	5.30 2.683.110	E	127	51305	
	9163		3	36242	102	704	636	105	6.00 2.613.050	E	5681	61400	
	0228		3	36609	92	582	533	98	5.20 2.152.550	E	MS46	51260	
	1073		3	36944	89	718	587	930	4.60 2.432.770	E	205	61480	
A1X44	10ANHH 103.38	9	8366	UnknAN									
	3069		3	34022	90	620	629	1020	2.332.73		AN74		
	4128		3	34423	110	529	544	115	1.922.434	24	UnknCH		
	5111		2	34784	72	629	607	105	2.382.690	W	UnknCH	5.51339	
	6263		3	35166	107	532	536	99	6.50 2.092.620	W	UnknCH	51211	
	7174		2	35499	115	702	630	111	6.10 2.372.830	W	RBOW	61420	
	8206		3	35881	114	650	592	97	5.30 2.332.830	W	RBOW	51330	
	9296		3	36333	96	408	625		5.50 2.583.37M		SKOG	61300	
	KMS3		0	36526			0	A		X	Unknown		
	1142		2	36949	84	638	561	1000	5.30 2.202.534	PP	211	51440	
A1X46	10ANHH 100.25	9	9363	UnknAN									
	3136		3	34044	78	490	550	900	2.012.39		AN20		
	4018		3	34409	88	521	0	K	1.872.251	21	UnknCH		
	5123		3	34787	94	710	661	112	2.673.071	E	UnknCH	5.51267	
	6164		3	35146	95	688	640	111	6.70 2.663.091	E	UnknCH	61245	
	7177		3	35500	103	326	380	91	4.30 1.351.98A		RBOW		
	8115		2	35859	85	576	565	96	4.50 2.212.594	2C	MESS	71465	
	9030		3	36218	90	654	582	95	6.90 2.402.784		142	61420	
	0122		2	36587	94	636	564	105	6.30 2.162.534	5	180	41162	
	1091		3	36945	91	830	680	1030	5.60 2.883.236	S16	212	51415	
A1X60	10ANHH 104.52	9	9369	UnknAN									
	3062		2	34017	70	603	625	1030	2.302.60		AN74		

4107	2	34420	86	474	506	107	1.762.144	24	UnknCH	
5106	3	34782	104	685	629	106	2.462.901	E	UnknCH	6.51412
6287	3	35173	110	556	632	103	5.40 2.553.185	GR	UnknCH	71403
7231	2	35509	86	638	589	104	4.80 2.322.680	W	LRA	71605
8064	3	35853	91	766	627	103	4.50 2.622.970	W	127	81600
9202	3	36253	124	654	618	101	5.70 2.412.970	W	5681	71440
0036	3	36578	89	778	630	109	5.10 2.642.984	1	HH55	61475
1225	3	36967	112	830	738	1120	6.50 3.063.536	S16	UnknHH	61520

A1X61 10ANHH 96.06 9

		9367	UnknAN							
3058	3	34016	66	590	587	960	2.252.53		AN74	
4213	2	34435	98	512	586	101	2.072.565	25	UnknCH	
5071	3	34777	84	683	633	104	5.60 2.582.945		UnknCH	61144
6166	3	35146	118	558	565	92	5.40 2.182.765	GR	UnknCH	61150
7046	2	35481	86	602	537	95	5.30 2.072.425	E	132	61224
8083	2	35855	73	518	502	88	5.00 1.982.303		142	51122
9138	3	36237	73	576	553	90	5.40 2.342.684		MESS	61150
0050	2	36579	80	594	510	95	5.20 1.982.284	3	HP92	51074
1172	2	36955	78	604	542	970	5.40 2.142.464	PP	205	51234

A1X77 10ANHH 103.70 9

		9364	UnknAN							
3091	3	34036	100	635	675	1100	2.512.98		AN20	
4023	3	34411	108	693	639	111	2.402.840	20	UnknCH	
5136	2	34788	92	671	657	113	2.522.920	W	UnknCH	61278
6266	3	35167	76	565	572	105	5.60 2.422.800	W	UnknCH	61157
7204	3	35503	108	754	651	109	5.50 2.653.090	W	RBOW	61410
8105	2	35858	92	642	565	99	5.00 2.172.540	W	142	61345
9098	3	36227	89	670	573	94	4.50 2.362.720	W	HP92	61400
0045	2	36578	72	628	538	100	4.70 2.152.420	W	HP86	61355
1147	2	36949	91	694	607	980	4.80 2.372.730	W	212	51460

A1X79 10ANHH 95.75 9

		9367	UnknAN							
3042	3	34013	70	499	501	820	1.812.11		AN74	
4224	2	34437	88	380	438	92	1.431.864	24	UnknCH	
5138	2	34789	81	540	536	92	2.002.360	E	UnknCH	61172
6177	2	35150	97	530	527	101	6.30 1.982.420	E	UnknCH	61100
7072	2	35483	78	588	498	87	4.30 1.932.230	E	1400	61295
8088	2	35855	95	660	574	101	4.20 2.212.580	E	127	61228
9007	3	36213	79	636	518		3.50 2.142.450	E	155	61236

	0104	3	36584	95	672	563	103	5.20	2.282.660	E	180	51216
	1092	3	36945	100	808	665	1010	4.60	2.753.146	S16	207	61295
A1X82	10ANHH 97.57	9	9367	UnknAN								
	3040	3	34012	93	632	619	1010		2.272.67			AN74
	4118	3	34422	99	423	442	94		1.481.934	24		UnknCH
	5081	2	34779	89	610	600	101	6.10	2.272.655			UnknCH 5.51157
	6114	3	35136	95	627	609	99	5.20	2.512.965	OR	722	61158
	7086	3	35484	94	670	574	98	5.50	2.342.725	E	127	51204
	8095	3	35856	90	722	598	98	6.60	2.482.830	E		RBOW
	9203	2	36253	94	580	574	96	5.00	2.212.640	E	5681	4 924
	0132	2	36588	88	570	509	94	4.90	1.942.290	E	1445	41108
	1156	2	36950	79	658	576	930	5.30	2.292.600	E	212	51260
A1X83	10ANHH 96.44	9	9368	UnknAN								
	3057	2	34016	72	570	592	980		2.142.45			AN74
	4103	2	34420	80	497	504	92		1.772.110	20		UnknCH
	5056	2	34776	70	535	506	87		1.922.210	W		UnknCH 61232
	6292	3	35182	110	463	549	102	5.10	2.142.81B	W		UnknCH 61240
	7194	2	35502	85	550	498	90	4.40	1.902.241	E		LRA 61355
	8008A	2	35845	85	654	0	100	5.60	2.142.461	E	132	71400
	9002	2	36208	82	590	499		4.50	1.922.231	E	142	71315
	0074	3	36582	90	622	514	89	3.70	2.072.424	1		HP86 61360
	1207	2	36962	89	666	613	1100	6.00	2.412.794	PP		UnknHH 61340
A1X92	10ANHH 98.70	9	9366	UnknAN								
	3067	3	34019	70	555	562	920		2.112.41			AN74
	4192	3	34430	89	520	560	98		2.102.545	25		UnknCH
	5064	3	34776	82	720	663	109	6.10	2.743.095			UnknCH 5.51063
	6053	2	35123	68	604	584	106	4.80	2.382.685	BL	1445	61140
	7037	3	35480	76	664	558	96	5.60	2.352.665	W	142	61242
	8171	3	35875	99	582	582	100	5.80	2.362.843			RBOW 51094
	9020	2	36216	91	662	574		5.80	2.222.580	W	141	51186
	0174	2	36596	78	554	507	94	5.50	1.982.300	W		SKOG 51138
	1066	3	36943	78	720	584	930	5.10	2.472.770	W	205	61265
B2024	9ANHH 102.78	8	7359	UnknAN								
	4251	2	34454	70	483	606	107		2.212.586	26		UnknAN
	5157	3	34791	85	585	577	98		2.202.581	S		UnknCH 5.51168



6253	3	35163	104	600	618	107	6.50	2.412.911	N	UnknCH	61206
7300	2	35575	98	427	624	110	5.30	2.423.14B		RBOW	71380
8268	3	35959	90	425	648	103	5.90	2.723.46M	8D	RBOW	61450
9230	3	36293	86	564	523	90	4.30	2.132.52M		MESS	61260
KMS4	0	36526				0			A	X	Unknown
1235	2	36967	90	652	611	1090	5.60	2.402.794	PP	MS13	61375

B2530	0	ANGV	0	XXX	Unknown
B2531	0	ANGV	0	XXX	Unknown
B2532	0	ANGV	0	XXX	Unknown
B2533	0	ANGV	0	XXX	Unknown
B2534	0	ANGV	0	XXX	Unknown
B2535	0	ANGV	0	XXX	Unknown
B2536	0	ANGV	0	XXX	Unknown
B2537	0	ANGV	0	XXX	Unknown
B2538	0	ANGV	0	XXX	Unknown
B2539	0	ANGV	0	XXX	Unknown

C3003	8LMAH 103.64	7	7367	UnknLM								
	5014	2	34755	89	545	613	103	5.70	2.152.57C	R	127	7.51260
	6142	3	35142	110	615	655	118	5.90	2.463.00C	R	1445	71383
	7056	3	35482	120	578	550	97	6.90	2.002.524		1445	61460
	8021	3	35848	90	664	595	97	6.20	2.462.854	3C	142	71555
	9023	3	36216	100	742	658	107	6.20	2.723.144		155	81475
	0080	2	36582	93	626	544	101	5.70	2.072.444	3	HP93	61400
	1170	3	36954	110	734	628	1090	6.80	2.532.974		207	61480

C3036	8LMAH 97.08	7	7364	UnknLM								
	5038	3	34763	96	557	619	104	5.20	2.262.73C	SL	127	61110
	6188	3	35150	87	494	551	99	5.00	2.072.51C	SL	RBOW	71126
	7109	3	35486	74	526	506	90	3.80	2.012.344		142	61210
	8212	2	35884	103	540	586	100	6.40	2.222.744	3C	RBOW	61265
	9106	3	36231	108	606	570	93	6.50	2.252.744		5932	71295
	0095	3	36583	85	634	526	91	4.70	2.152.494	5	142	51206
	1107	3	36945	88	802	658	990	6.10	2.783.126	S16	212	51360

C3059	8ANHH 105.68	7	6364	UnknAN									
	5031	3	34760	86			0			4	24	127	6.51472
	6060	3	35125	82	673	619	107	5.30	2.422.761	E	1445		61216

			7161	2	35497	105	766	698	126	7.10	2.643.061	E	RBOW	61405
			8036	2	35850	70	654	555	101	5.00	2.242.511	E	132	61515
			9022	3	36216	84	749	614		4.60	2.592.911	E	144	61500
			0071	3	36582	91	700	579	100	5.20	2.382.734	8	HP92	41184
			1108	3	36945	94	716	592	1030	6.20	2.432.804		205	51395
C3087	8ANHH 105.82	7	7365		UnknAN									
			5006	2	34753	84	520	584	98	4.50	2.042.43C	SL	127	6.51216
			6070	3	35127	95	584	591	106	3.60	2.222.65C	SL	1445	71237
			7110	2	35487	81	686	605	105	6.00	2.332.642	W	UnknCH	61395
			8001	2	35843	84	704	586	113	6.10	2.312.632	W	127	51380
			9158	3	36241	112	708	639	104	5.50	2.573.052	W	5230	51400
			0084	2	36582	88	746	644	120	5.70	2.562.904	2	144	61430
			1100	2	36945	85	670	581	1040	6.20	2.292.624	PP	207	51510
C3090	8ANHH 98.91	7	7365		UnknAN									
			5115	2	34784	89	462	589	99	4.90	2.042.52C	R	UnknAN	6.51091
			6125	2	35138	84	495	549	96	5.80	1.972.37C	R	RBOW	71110
			7276	2	35541	92	298	474		3.90	1.662.40A		UnknAN	
			8215	2	35887	94	530	583	99	5.50	2.252.734	4D	MESS	61265
			9062	3	36222	97	708	642	104	5.80	2.663.084		5932	61230
			0038	2	36578	79	584	501	93	5.20	1.942.254	7	176	41080
			1287	2	36972	80	588	561	1000	5.60	2.222.574	PP	UnknHH	51222
C3107	8ANHH 97.77	7	7358		UnknAN									
			5199	2	34801	72	388	542	91	4.40	1.902.34C	SL	UnknAR	6.51288
			6130	2	35139	99	518	575	101	5.40	2.012.49C	SL	RBOW	71298
			7095	2	35485	83	522	466	84	3.90	1.681.991	W	132	61390
			8020	3	35848	78	716	575	102	6.20	2.432.721	W	142	61490
			9070	3	36223	114	768	650	104	5.70	2.623.071	W	HP93	71435
			0091	2	36583	92	530	466	87	4.30	1.722.084	6	HP86	61365
			1136	3	36948	108	776	649	1120	5.70	2.643.074		196	61520
C3342	8ANHH 103.52	7	7369		UnknAN									
			5070	3	34777	80	624	727	122	5.00	2.863.28C	SL	UnknAN	71263
			6040	2	35122	72	580	600	105	4.10	2.262.58C	SL	1445	71313
			7136	3	35489	87	606	548	94	4.80	2.152.515	E	142	61355
			8093	3	35856	109	790	656	107	6.80	2.673.100	W	RBOW	61335
			9043	3	36219	100	766	638		4.10	2.623.020	W	142	61450

		0021	3	36576	97	688	559	97	5.10	2.262.634	7	144	51182
		1321	3	36993	110	596	589	1020	5.50	2.342.874		SR109	71410
C3357	8ANHH 99.79		7	6365	UnknAN								
		5034	3	34760	94	556	612	102	4.90	2.232.69C	R	127	71345
		6272	2	35169	111	548	683	119	4.80	2.463.08C	R	RBOW	71407
		7252	3	35518	120	558	532	93	5.50	1.912.441	W	UnknCH	71490
		8058	3	35853	92	618	510	91	5.60	2.042.401	W	132	71560
		9217	2	36265	92	498	517	96	5.40	1.952.391	W	5230	61475
		0234	2	36615	118		0	D			X	SKOG	
		1159	3	36951	106	660	560	970	5.30	2.222.644		205	61610
C3358	8ANHH 106.15		7	6365	UnknAN								
		5033	2	34760	82	550	629	105	5.30	2.262.66C	R	127	6.51107
		6215	3	35155	109	608	682	122	6.60	2.603.17C	R	RBOW	71180
		7206	3	35503	86	662	626	107	5.50	2.542.925	E	UnknCH	71325
		8172	3	35875	94	614	614	106	5.40	2.543.003		RBOW	61204
		9159	2	36241	82	618	583	108	4.90	2.312.661	W	MESS	71280
		0145	2	36590	83		0	D			X	HP92	
		1134	3	36947	92	778	643	970	5.20	2.693.056	S16	211	61520
C3361	8ANHH 97.59		7	7369	UnknAN								
		5016	3	34755	80	547	592	99	4.50	2.202.58C	SL	127	61170
		6021	3	35119	78	513	509	91	5.20	1.912.25C	SL	155	71232
		7239	3	35511	110	690	634	111	7.30	2.462.921	E	UnknCH	61300
		8116	3	35859	94	672	564	100	5.30	2.292.671	E	142	61400
		9016	2	36215	89	628	543		5.80	2.092.431	E	141	61350
		0022	2	36576	81	556	475	88	4.70	1.812.124	7	HP92	51246
		1224	3	36967	90	684	608	920	5.50	2.532.916	S16	UnknHH	61475
C3366	8ANHH 95.48		7	7357	UnknAN								
		5215	2	34812	67	447	542	91	4.60	1.932.275		UnknAR	61200
		6216	3	35156	93	534	604	99	6.10	2.302.785	GR	UnknCH	61257
		7234	3	35510	87	590	576	99	4.00	2.292.685	E	MESS	61365
		8138	2	35866	84	642	579	101	5.50	2.282.620	W	RBOW	61290
		9080	3	36225	89	650	553	91	4.20	2.262.620	W	1445	61300
		0097	2	36583	63	556	484	90	4.30	1.942.190	W	1445	61285
		1176	2	36955	84	634	566	910	4.40	2.222.560	W	207	51440

C3368	8ANHH 101.13	7	6363 UnknAN												
			5162	3	34793	82	461	589	98	5.30	2.182.65C	R	UnknAN	6.51238	
			6103	2	35134	48	556	0	S	4.30	2.382.61C	R	RBOW	61232	
			7187	3	35502	82		0	C				A	UnknCH	
			8124	2	35861	92	594	588	100	4.90	2.282.704	4D	MESS	71455	
			9051	3	36220	108	672	606	99	5.60	2.432.904		HP93	71465	
			0149	3	36590	93	716	606	105	5.30	2.502.884	2	HP92	61495	
			1248	3	36969	116	774	695	1050	6.10	2.823.326	S16	UnknHH	61520	
C3371	8ANHH 100.85	7	7368 UnknAN												
			5028	2	34759	79	550	627	105	5.00	2.262.64C	SL	127	6.51152	
			6239	2	35159	87	420	510	89	4.70	1.772.23C	SL	UnknCH	71240	
			7123	2	35489	74	628	591	105	5.50	2.302.615	W	UnknCH	61385	
			8035	2	35850	85	578	550	97	6.20	2.142.513		142	61310	
			9097	2	36227	92	624	562	94	5.00	2.162.540	W	HP92	51295	
			0226	2	36608	95	640	612	113	6.10	2.382.790	W	SKOG	61330	
			1222	2	36966	110	690	642	1040	5.00	2.452.910	W	L26	61415	
C3374	8ANHH 100.81	7	6364 UnknAN												
			5019	3	34756	77	557	603	101	4.80	2.272.64C	R	127	6.51147	
			6152	3	35144	97	498	542	97	5.90	1.982.45C	R	RBOW	71230	
			7018	2	35477	76		0	D				A	155	
			8149	2	35874	57	502	0	K	4.60	2.152.434	1D	MESS	61425	
			9042	2	36219	88	636	596	97	4.90	2.342.724		127	71435	
			0173	3	36596	90	680	592	109	5.90	2.452.820	W	SKOG	61340	
			1037	3	36939	90	766	615	N	5.00	2.562.900	W	MESS	71500	
C3378	8ANHH 96.30	7	7360 UnknAN												
			5121	3	34787	70	465	580	97	4.70	2.192.58C	R	UnknAN	5.5 980	
			6153	2	35144	83	500	567	99	4.40	2.052.46C	R	RBOW	51017	
			7146	2	35494	55	546	525	93	5.10	2.082.315	W	UnknCH	51214	
			8017	3	35848	85	742	597	106	5.20	2.502.821	N	127	51092	
			9169	2	36245	69	510	489	91	4.20	1.932.241	N	5681	61244	
			0119	2	36586	72	590	520	89	5.30	2.062.351	N	HP92	51212	
			1068	2	36944	69	648	554	930	4.70	2.242.501	N	205	51295	
C3379	8ANHH 97.58	7	7365 UnknAN												
			5029	3	34759	90	566	619	104	4.60	2.292.72C	R	127	6.51047	
			6009	2	35117	71	462	479	84	4.70	1.702.01C	R	132	71113	

			7064	3	35482	82	682	566	95	4.90	2.262.570	W	1400	61212
			8154	2	35871	89	616	566	99	6.00	2.202.570	W	RBOW	51198
			9172	3	36247	100	636	586	96	6.10	2.372.810	W	5681	51168
			0130	2	36588	102	626	560	104	5.30	2.102.510	W	176	51202
			1155	3	36950	94	738	616	980	4.70	2.552.920	W	205	51265
C3380	8ANHH 101.82	7	7366		UnknAN									
			5004	2	34751	87	574	633	106	5.70	2.252.66C	R	127	61187
			6062	3	35125	93	476	487	87	4.30	1.732.14C	R	127	71278
			7085	3	35485	80	722	602	101	5.50	2.452.760	W	1445	61435
			8209	3	35883	99	670	612	100	5.70	2.502.940	W	RBOW	61380
			9161	2	36242	106	666	633	106	5.90	2.422.880	W	5681	61390
			0088	2	36582	90	678	591	110	6.30	2.312.660	W	180	51370
			1101	2	36945	91	758	652	1050	5.70	2.592.940	W	207	61545
C3381	8ANHH 102.11	7	7365		UnknAN									
			5009	3	34754	89	730	664	110	6.20	2.512.865		127	5.51085
			6083	2	35129	80	568	602	109	4.10	2.232.595	YL	1445	61205
			7094	2	35485	85	628	585	104	5.30	2.222.565	E	127	61295
			8068	2	35854	94	626	544	98	5.50	2.072.441	N	141	51244
			9046	2	36220	99	700	615		6.40	2.382.771	N	HP93	51260
			0176	3	36597	109	662	581	98	5.90	2.302.761	N	SKOG	61275
			1045	2	36941	84	682	579	970	4.70	2.282.601	N	207	61415
C3385	8ANHH 93.40	7	7378		UnknAN									
			5013	2	34755	75	518	585	98	4.20	2.092.44C	R	127	71242
			6029	2	35119	80	578	592	103	5.00	2.182.54C	R	155	71340
			7099	3	35485	81	608	513	86	4.20	2.012.320	W	1445	71425
			8188	2	35878	92	552	522	92	6.30	1.972.370	W	RBOW	71375
			9277	3	36307	102	441	575		4.00	2.313.00M		SKOG	71355
			0276	2	36677	80	340	467	88	4.40	1.782.33M		STUB	71365
			1333	2	37021	90	411	494	840	3.50	1.862.38M		LRA	71405
C3386	8ANHH 103.73	7	7369		UnknAN									
			5011	3	34755	82	600	643	108	5.00	2.442.83C	R	127	61082
			6233	2	35159	88	582	696	122	4.70	2.633.10C	R	RBOW	61166
			7225	3	35508	85	586	568	97	4.80	2.262.645	W	UnknCH	61325
			8049	3	35852	90	648	532	91	5.20	2.152.502	E	155	61305
			9168	3	36244	111	726	662	108	5.50	2.693.172	E	5230	51290

		0127	2	36588	92	590	527	102	4.40	2.002.372	E	144	51196
		1249	2	36969	120	696	656	1040	6.00	2.462.972	E	L18	61370
C3387	0ANGV	0	XXX	Unknown									
C3388	0ANGV	0	XXX	Unknown									
C3389	0ANGV	0	XXX	Unknown									
C3390	0ANGV	0	XXX	Unknown									
C3391	0ANGV	0	XXX	Unknown									
C3392	0ANGV	0	XXX	Unknown									
C3393	0ANGV	0	XXX	Unknown									
C3394	0ANGV	0	XXX	Unknown									
C3395	0ANGV	0	XXX	Unknown									
C3396	0ANGV	0	XXX	Unknown									
C3397	0ANGV	0	XXX	Unknown									
C3398	0ANGV	0	XXX	Unknown									
D4096	7HHMX103.31	6	5370	UnknHH									
	6050		3	35123	75	569	589	106	4.50	2.222.554		1445	61098
	7258		3	35525	90	472	551	98	4.50	2.052.544		336C	51070
	8177		3	35877	104	624	647	105	5.60	2.553.064	3C	RBOW	61196
	9165		3	36241	88	668	649	105	5.80	2.743.154		5932	61270
	KMS7		0	36526			0	A		X		Unknown	
	1284		2	36972	108	630	604	1080	6.60	2.282.754	PP	STUB	51380
D4248	7HHSM 98.17	6	6359	UnknHH									
	6191		3	35150	74	460	538	96	4.00	1.972.354		UnknAR	61200
	7262		2	35476	73	375	0	F	3.30	1.291.604		WHIT	51238
	8135		2	35864	90	522	542	92	5.40	1.992.414	3C	RBOW	61390
	9170		2	36245	101	554	577	94	5.20	2.192.684		5932	61420
	0044		2	36578	90	680	581	108	5.70	2.262.614	2	HH55	51365
	1088		2	36945	89	622	542	970	5.70	2.082.434	PP	207	51475
D4258	7HHMX 95.96	6	6366	UnknHH									
	6118		3	35137	77	438	491	88	2.80	1.732.104		1445	61195
	7153		2	35495	67	454	494	90	4.80	1.792.104		UnknAN	61280
	8075		3	35854	95	594	566	92	5.00	2.202.624	3C	141	61295
	9201		2	36253	99	622	670	109	5.30	2.633.134		5932	61335
	0161		2	36594	64	588	528	98	4.40	2.142.404	1	MESS	51340
	1217		2	36965	112	548	515	920	4.50	1.852.324	PP	UnknHH	51375

D4268	7ARHH 100.28	6	5356	UnknAR										
	6265		3	35166	80	435	544	97	3.30	1.972.424		UnknAR	6 992	
	7209		3	35504	68	538	573	101	5.30	2.272.604		UnknAN	61068	
	8086		3	35855	112	652	622	101	6.10	2.392.884	3C	RBOW	61180	
	9111		3	36232	112			0			C	D	HP93	81420
	0151		3	36591	98	656	561	97	5.80	2.262.664	7	MS17	51116	
	1109		2	36945	94	674	586	1050	6.20	2.272.634	PP	196	61300	
D4271	7ANHH 100.33	6	6365	UnknAN										
	6086		2	35130	74	482	502	97	3.70	1.712.020	E	1445	61113	
	7029		3	35479	80	680	579	97	4.70	2.242.540	E	127	61350	
	8202		2	35880	113	638	627	110	6.50	2.272.760	E	RBOW	61455	
	9196		3	36251	130	664	623	102	5.90	2.412.990	E	5681	61495	
	0076		3	36582	84	694	572	99	5.70	2.382.714	5	180	51305	
	1171		2	36954	88	608	546	980	4.90	2.112.464	PP	205	61600	
D4281	7ARHH 98.60	6	6365	UnknAR										
	6036		2	35121	67	461	504	97	3.80	1.752.054		1445	61092	
	7083		3	35484	84	590	581	103	4.50	2.232.604		127	61200	
	8055		3	35853	100	620	588	95	6.00	2.282.724	3C	RBOW	61310	
	9060		3	36221	104	644	583	95	5.10	2.342.794		HP93	71395	
	0053		2	36579	87	670	574	107	5.70	2.242.584	4	SKOG	61355	
	1089		3	36945	99	742	612	930	5.60	2.502.896	S16	196	61425	
D4285	7CHHH 94.84	6	6365	UnknCH										
	6043		3	35122	62	518	539	97	3.50	2.042.314		155	61002	
	7062		3	35482	75	538	529	94	5.40	2.022.354		142	61132	
	8005		2	35843	50	496		0	4.90	1.872.084	2C	RBOW	61226	
	9092		3	36227	94	588	544	88	4.40	2.202.614		HP92	61295	
	0109		2	36585	74	574	503	94	5.30	1.982.274	8	HP92	61158	
	1129		3	36947	79	658	544	940	4.20	2.272.584	S16	205	61390	
D4288	7ARMX 92.08	6	6379	UnknAR										
	6170		3	35148	85	394	465	83	2.50	1.561.994		UnknAR	61145	
	7112		2	35487	75	429	457	83	3.50	1.581.924		RBOW		
	8085		3	35855	101	608	581	94	5.40	2.242.694	3C	RBOW	71295	
	9246		2	36302	88	420	563		4.00	2.182.76M		MESS	61295	
	0286		3	36683	77	379	519	98	5.00	2.162.71M		STUB	71400	

		1362	3	37043	110	393	494	890	4.70	1.872.60M		UnknHH	71350
D4291	7ARSM 106.61	6	6381	UnknAR									
	6027		3	35119	84	662	666	119	5.50	2.552.924		132	61119
	7028		2	35479	83	528	538	98	5.50	1.922.284		142	51218
	8091		2	35856	94	626	627	107	6.00	2.362.784	4D	127	61305
	9232		3	36294	97	489	599		4.80	2.453.06M		MESS	51295
	0269		2	36659	86	488	618	116	5.60	2.452.98M		LRA	51395
	1339		2	37022	98	497	602	1020	6.50	2.322.89M		UnknHH	51365
D4292	7ARMX102.00	6	5371	UnknAR									
	6017		3	35118	84	583	593	106	3.90	2.192.564		132	61133
	7049		3	35481	87	588	574	102	4.90	2.182.564		155	61212
	8027		3	35849	99	660	615	100	5.70	2.422.844	3C	RBOW	51206
	9173		3	36247	99	622	622	101	6.00	2.553.034		5932	61295
	KMS8		0	36526			0	A				Unknown	
	1274		2	36971	89	612	583	1040	5.10	2.272.664		STUB	61460
D4301	7ANHH 99.75	6	6363	REF2									
	6174		3	35149	75	477	553	99	4.50	2.042.424		UnknAR	71344
	7222		3	35507	85	514	556	98	4.50	2.102.524		UnknAN	71455
	8061		2	35853	74	578	572	98	5.70	2.212.544	2C	141	61630
	9195		2	36250	106	646	684	112	6.70	2.663.184		5932	71645
	0187		3	36598	89	746	650	113	6.40	2.743.114	6	MS03	51455
	1218		3	36965	84	510	454	790	4.50	1.812.164		UnknHH	61675
D4304	7ANHH 107.00	6	5370	REF2									
	6071		3	35127	86	610	590	108	5.10	2.172.520	E	1445	5 877
	7147		3	35494	75	680	605	101	5.10	2.392.690	E	1445	51078
	8102		3	35858	92	690	597	98	4.80	2.362.730	E	127	51142
	9176		3	36247	112		0	C				D	5681
	0158		2	36593	70	606	544	S	4.90	2.192.474	6	MS17	51066
	1293		2	36975	110	758	733	1310	6.60	2.873.354	PP	SR03	51285
D4305	7ANHH 99.93	6	6364	REF2									
	6033		2	35121	57	532	529	102	4.50	1.922.150	E	132	61042
	7253		3	35518	139	678	662	111	5.30	2.352.960	E	RBOW	61248
	8213		3	35885	104	586	561	92	5.50	2.132.590	E	RBOW	51240
	9204		2	36254	110	516	515	86	5.50	1.852.360	E	5681	51330



		0075	2	36582	83	648	564	105	6.30	2.222.540	E	142	51275
		1059	3	36943	83	806	653	1040	5.60	2.783.100	E	207	61480
D4308	7ANHH	97.68	6	5359	REF2								
		6155	3	35145	83	422	487	87	4.20	1.682.09C	R	UnknAR	61060
		7031	3	35479	83	672	574	96	5.10	2.202.510	E	155	51226
		8179	3	35877	97	704	649	106	6.00	2.593.010	E	RBOW	51242
		9286	3	36321	84	380	540		4.30	2.232.86M		SKOG	41140
		KMS9	0	36526			0	A			X	Unknown	
		1040	3	36939	80	804	644	970	6.00	2.753.066	S16	211	61485
D4309	7ANHH	96.80	6	6375	REF2								
		6016	2	35118	72	525	521	100	3.50	1.802.090	E	132	6 988
		7060	2	35482	73	566	515	90	5.00	1.862.140	E	142	61240
		8006	2	35844	74	698	600	105	7.00	2.342.610	E	142	51310
		9068	2	36222	95	602	535	90	4.90	2.022.400	E	HP93	61360
		0039	2	36578	73	562	481	90	4.70	1.882.164	7	155	51148
		1316	3	36992	78	682	668	1010	5.50	2.883.256	S16	SR109	51410
D4312	7ANHH	98.37	6	6369	REF2								
		6089	2	35132	62	493	553	97	4.40	2.002.29C	SL	UnknAR	71042
		7224	3	35508	82	475	519	92	4.80	1.942.344		UnknCH	61054
		8156	2	35871	108	548	584	100	6.80	2.102.614	4D	RBOW	61222
		9133	3	36237	114	634	610	99	6.30	2.422.954		5932	71265
		0155	3	36592	120	702	607	108	6.30	2.382.872	W	SKOG	41088
		1292	2	36975	110	606	584	930	5.60	2.182.662	W	L07	51340
D4317	7ANHH	99.24	6	6374	REF2								
		6048	3	35123	77	569	547	101	3.50	2.002.310	W	127	6 926
		7130	2	35490	83	632	585	103	5.70	2.142.460	W	1400	51134
		8189	2	35878	78	622	604	106	5.60	2.332.670	W	RBOW	51218
		9149	3	36239	111	752	673	110	6.20	2.743.210	W	5681	61255
		0117	3	36586	89	474	405	70	3.30	1.541.904		1445	51094
		1318	2	36993	66	574	590	1050	4.40	2.422.733		MESS	61405
D4322	7ANHH	102.22	6	6380	REF2								
		6034	2	35121	77	562	559	107	4.50	1.962.270	W	336C	61010
		7223	3	35507	110	668	627	105	5.80	2.332.780	W	RBOW	61265
		8060	2	35853	91	632	566	99	6.40	2.102.450	W	142	61250

			9282	2	36305	94	463	632		5.80	2.483.11M		SKOG	61295
			0251	2	36651	65	447	546	103	5.00	2.222.60M		LRA	61435
			1338	1	37022	100	534	586	1000	6.30	2.523.10M		LRA	61400
D4324	7ANHH 105.40	6	6367		REF1									
			6110	3	35135	88	568	569	105	4.50	2.052.430	W	1445	61083
			7120	2	35489	83	650	599	105	5.10	2.202.520	W	1445	61310
			8098	2	35857	103	662	601	105	4.80	2.202.610	W	127	61465
			9188	3	36248	128	736	682	112	6.60	2.703.270	W	5681	61445
			0172	3	36596	112	634	554	96	5.40	2.162.624	5	142	51275
			1247	3	36969	120	752	678	1170	6.10	2.723.244		UnknHH	71545
D4325	7GVMX103.16	6	6364		231									
			6064	3	35126	83	565	592	106	4.60	2.192.574		1445	61120
			7270	3	35529	70	456	545	96	3.70	2.122.514		336C	61156
			8038	3	35850	92	730	678	110	5.80	2.763.164	3C	127	51230
			9220	3	36267	90	548	598	97	6.50	2.482.964		5932	61355
			0062	3	36580	84	718	588	102	5.10	2.462.784	6	142	51136
			1139	2	36948	102	714	628	1120	6.30	2.422.824	PP	205	51350
D4330	7GVAH 105.81	6	6360		936									
			6192	3	35150	76	514	594	106	4.50	2.232.624		UnknAR	71418
			7198	2	35503	84	526	584	107	5.60	2.132.534		UnknAN	71465
			8150	3	35870	102	678	612	99	6.10	2.392.814	4D	RBOW	61490
			9052	2	36220	110	796	749	122	7.80	2.943.424		5932	61580
			0126	3	36588	95	708	598	103	6.30	2.452.834	6	SKOG	51345
			1141	2	36948	82	672	588	1050	5.80	2.332.664		212	61650
D4331	7GVMX107.79	6	6363		231									
			6208	3	35154	92	580	673	121	5.10	2.543.024		UnknAR	61220
			7027	2	35479	84	584	590	108	5.50	2.162.524		132	61244
			8096	3	35857	104	732	699	113	7.30	2.803.274	4D	142	61345
			9095	3	36227	110	688	637	103	6.90	2.573.064		HP92	61360
			0052	3	36579	102	790	644	112	5.60	2.653.044	3	HP93	51246
			1258	3	36970	102	746	671	1010	6.60	2.783.226	S16	UnknHH	51420
D4335	7ANHH 103.57	6	6369		9110									
			6054	3	35124	74	500	490	90	4.30	1.742.040	W	132	61037
			7096	2	35485	84	664	603	106	5.30	2.212.530	W	127	61380

			8023	3	35849	105	780	653	107	6.30	2.582.980	W	127	61340
			9075	2	36224	102	680	607	102	5.40	2.322.730	W	127	61360
			0239	3	36621	108	726	689	119	5.40	2.833.334	2	MESS	61335
			1265	2	36971	84	604	575	1030	6.60	2.262.634	PP	UnknHH	61465
D4337	7ANHH 100.98	6	6368		REF1									
			6047	3	35123	94	623	640	106	5.00	2.372.793	N	155	71243
			7217	2	35506	93	598	587	103	5.30	2.102.480	E	UnknAN	61365
			8087	2	35855	82	570	516	90	4.80	1.912.230	E	155	61415
			9156	2	36240	108	682	644	108	6.10	2.462.930	E	5681	71455
			0102	3	36584	94	682	567	98	5.20	2.312.674	1	144	61505
			1219	3	36965	105	662	589	1020	5.50	2.362.814		UnknHH	61515
D4339	7ANHH 106.77	6	6369		REF1									
			6087	2	35131	80	517	536	102	4.20	1.842.172	E	127	61053
			7132	2	35490	88	670	617	108	6.30	2.262.612	E	RBOW	61230
			8069	3	35854	91	738	627	107	5.60	2.522.872	E	155	61275
			9177	2	36247	98	714	690	113	5.90	2.733.162	E	5230	51265
			0238	3	36620	114	678	644	112	6.30	2.593.114	6	SKOG	51226
			1290	3	36974	117	790	722	1090	4.70	2.953.466	S16	SR03	61520
D4340	7ANHH 101.72	6	6384		REF1									
			6052	2	35124	72	483	494	94	3.60	1.681.972	W	336C	61093
			7189	3	35502	119	728	669	120	6.60	2.492.972	W	RBOW	61275
			8247	2	35939	82	392	571	98	4.10	2.172.74M	5D	MESS	61395
			9239	3	36298	94	494	620		5.30	2.563.17M		SKOG	61335
			0266	2	36658	88	420	526	99	5.10	2.012.55M		LRA	61405
			1360	1	37042	121	492	590	1000	6.70	2.443.24M		UnknHH	
D4342	7ANHH 95.92	6	6359		REF1									
			6199	3	35152	73	456	538	96	3.10	1.972.354		UnknAR	71209
			7173	3	35499	75	504	530	94	3.60	2.022.384		UnknAN	61240
			8111	2	35858	102	554	563	96	5.60	2.032.484	4D	155	71375
			9216	2	36264	104	620	700	114	6.90	2.743.304		5932	61365
			0138	3	36589	103	538	464	80	4.80	1.762.184		SKOG	61390
			1105	2	36945	78	612	527	880	4.20	2.072.371	E	205	71600
D4344	7ANHH 102.72	6	5367		9110									
			6014	3	35117	84	674	668	109	4.90	2.552.925	BL	155	61128

		7057	2	35482	94	636	607	108	5.80	2.192.565	W	132	61270
		8099	2	35857	111		0	D		2	W	RBOW	51194
		9088	2	36227	90	656	590	97	5.00	2.302.672	W	HP92	51236
		0077	3	36582	94	674	560	99	5.20	2.272.642	W	142	41142
		1157	3	36950	94	816	679	1050	5.70	2.853.232	W	196	51350
D4346	7ANHH	106.41	6	5362	8524								
		6104	2	35134	83	530	597	115	5.40	2.112.504		UnknAR	61189
		7058	3	35482	102	656	638	113	3.60	2.422.864		155	61182
		8056	2	35853	91	588	584	100	4.80	2.182.584	4D	141	61385
		9198	3	36252	124		0	D		D		5932	81625
		0061	3	36580	101	764	628	109	6.10	2.572.964	8	142	51226
		1056	2	36942	92	684	589	1050	5.20	2.292.644	PP	207	61465
D4347	7AN	105.51	7	6363	UnknAN								
		5232	3	34848	70	233	366	100	2.80	1.442.064	24	UnknAN	6 825
		6309	3	35201	85		0	D		A		LRA	
		7281	2	35559	82	432	620	109	4.70	2.302.84B		WHIT	61126
		8255	2	35941	105	506	741	127	6.90	2.843.59M	7C	RBOW	61242
		9288	2	36307	89	446	616		4.30	2.433.03M		MESS	51124
		0259	3	36655	102	468	549	104	5.90	2.182.79M		SKOG	51176
		1343	1	37026	90	506	568	970	4.90	2.483.01M		LRA	61255
D4348	7AN	101.88	6	6373	C								
		6005	2	35115	63	480	511	99	4.00	1.812.084		132	61122
		7005	3	35471	76	624	584	103	4.80	2.282.604		127	51176
		8011	3	35846	72	644	591	96	6.20	2.432.744	1D	142	51178
		9009	3	36214	90	772	675	110	7.10	2.853.234		5932	41295
		0035	2	36578	80	664	569	106	5.70	2.252.560	W	HH55	31120
		1300	3	36979	94	684	634	1010	5.20	2.633.050	W	L26	41360
D4365	7AN	97.67	6	6356	D								
		6268	2	35168	84	367	487	94	2.70	1.592.064		336C	61155
		7157	2	35496	70	487	529	97	5.10	1.942.274		UnknAN	61228
		8097	2	35857	91	594	597	102	5.80	2.252.654	4D	RBOW	61350
		9072	2	36223	82	588	562	92	5.20	2.212.574		5932	71375
		0146	3	36590	105	654	559	97	4.80	2.212.644	6	HP86	41156
		1128	3	36947	89	812	670	1010	5.20	2.843.186	S16	212	61460

D4369	7AN	98.92	6	6363	F									
		6065		3	35126	50	505	494	91	3.80	1.872.080	E	1445	5 913
		7045		3	35481	63	728	616	103	5.40	2.502.740	E	1445	51148
		8182		3	35877	98	708	652	107	6.60	2.613.030	E	RBOW	51138
		9211		2	36262	104	534	548	92	6.40	2.042.530	E	5681	51194
		0018		3	36575	85	716	579	106	6.10	2.412.730	E	1445	41204
		1065		3	36943	72	720	583	930	6.10	2.492.770	E	212	61365
D4371	7AN	102.71	6	6366	C									
		6015		3	35118	65	581	589	106	3.90	2.262.554		155	61062
		7165		2	35498	75	493	539	98	4.40	1.962.314		UnknAN	61150
		8062		3	35853	80	650	613	100	4.80	2.502.854	1D	141	51160
		9073		3	36224	90	784	714	116	6.50	3.043.444		HP92	51206
		0237		3	36619	84	666	631	106	5.40	2.673.061	N	H109	51184
		1144		2	36949	95	642	563	940	4.80	2.152.531	N	212	51330
D4373	7AN	101.59	6	6386	A									
		6082		3	35129	73	510	546	98	4.60	2.012.354		UnknAR	61195
		7067		3	35483	88	616	603	107	4.70	2.322.704		127	61355
		8041		3	35851	72	648	605	98	5.90	2.502.824	1D	142	61360
		9019		2	36216	84	618	575	94	4.80	2.262.624		155	61360
		0040		3	36578	90	786	637	110	6.60	2.673.014	2	SKOG	51300
		1375		2	37058	90	422	620	1050	5.60	2.443.10M		SR74	61450
D4374	7AN	99.31	6	6356	D									
		6276		2	35169	75	404	536	103	3.90	1.862.284		336C	61047
		7162		2	35498	50	490	534	98	4.50	2.072.304		UnknAN	61112
		8052		2	35853	80	552	548	94	6.10	2.072.424	1D	RBOW	51112
		9040		3	36219	75	692	618	100	5.30	2.652.974		144	61142
		0139		3	36589	110	670	575	100	6.30	2.272.713		SKOG	31054
		1158		3	36951	88	750	627	1000	5.70	2.632.981	E	212	41285
D4375	7AN	100.26	6	5370	B									
		6020		3	35118	92	535	550	99	3.40	1.942.354		155	1025
		7011		2	35476	63		0	C			A	132	
		8104		2	35858	87	554	561	96	4.90	2.092.484	2C	MESS	61300
		9071		2	36223	115	634	606	99	6.40	2.262.764		5932	41116
		0078		2	36582	88	634	553	107	4.80	2.142.492	E	180	31080
		1256		3	36970	115	726	653	1010	5.60	2.623.122	E	L18	51330

D4379	7GVMX110.14	6	6365	236Y										
	6200		3	35152	79	534	620	111	4.00	2.352.754		UnknAR	71315	
	7172		2	35499	93	626	676	124	6.40	2.512.954		UnknAN	61330	
	8090		2	35856	113	688	688	117	6.50	2.563.064	3C	141	61470	
	9100		2	36228	92	568	550	90	5.00	2.112.514		HP92	61430	
	0212		3	36602	101	798	704	122	6.00	2.943.374	2	MS28	51350	
	1299		2	36978	119	640	628	1120	6.70	2.342.874	PP	SR48	51460	
D4384	7LMSM 99.63	6	6377	UnknLM										
	6221		2	35171	78	546	0	K	6.30	2.643.085	BL	UnknCH	7 986	
	7283		2	35564	78	414	612	108	3.90	2.292.82B		MESS	61046	
	8246		3	35939	78	431	604	96	4.90	2.473.01M	5D	MESS	61210	
	9247		2	36302	87	413	553		3.00	2.142.72M		MESS	61094	
	0270		3	36660	84	410	494	93	4.50	2.002.52M		SKOG	61132	
	1372		3	37055	80	405	559	1010	5.00	2.342.91M		UnknHH	61126	
D4385	7SMMX113.10	6	6366	2186										
	6303		2	35193	93	411	599	112	4.10	2.062.67B	E	UnknAR	61140	
	7301		2	35571	79	409	628	110	4.40	2.362.92B		WHIT	71310	
	8265		3	35958	98	495	774	123	6.70	3.203.99M	7C	RBOW	61485	
	9243		3	36300	110	520	656		4.90	2.663.38M		MESS	61350	
	0275		3	36677	92	484	642	121	5.30	2.683.32M		STUB	61345	
	1336		2	37022	105	576	700	1180	6.50	2.743.35M		LRA	61485	
D4387	0ANGV	0	XXX	Unknown										
D4388	0ANGV	0	XXX	Unknown										
D4389	0ANGV	0	XXX	Unknown										
D4390	0ANGV	0	XXX	Unknown										
D4391	0ANGV	0	XXX	Unknown										
D4392	0ANGV	0	XXX	Unknown										
D4393	0ANGV	0	XXX	Unknown										
D4394	0ANGV	0	XXX	Unknown										
D4395	0ANGV	0	XXX	Unknown										
D4396	0ANGV	0	XXX	Unknown										
D4397	0ANGV	0	XXX	Unknown										
E5006	6AN 107.16	5	3387	127										
	6328		2	35398	48				0	C	A	3FSM		

		8034		2	35850	74		0	C		C		MESS	61480
		9096		3	36227	96	674	640	104	6.30	2.562.984		5932	51465
		0189		3	36599	95	776	677	117	4.90	2.843.234	4	MS41	51455
		1126		3	36947	109	768	641	1110	6.20	2.593.024		205	51485
E5010	6AN	97.74	5		5372	127								
		7061		2	35482	72	314	417	93	3.50	1.321.72A		132	
		8148		2	35869	82	500	548	94	4.50	1.972.364	1D	MESS	61270
		9028		3	36218	92	642	594	97	5.50	2.352.744		144	71385
		0014		2	36574	86	646	550	K	5.70	2.142.473		SKOG	51320
		1240		3	36968	112	760	677	1050	5.50	2.763.232	E	SR110	51470
E5013	6AN	102.57	5		4387	127								
		6330		1	35399	58	512	445	111		1.711.92A		3FSM	
		8129		2	35862	93	636	669	114	6.10	2.482.904	4D	MESS	61370
		9081		2	36225	91	578	574	94	4.90	2.142.544		141	81435
		KM11		0	36526			0	A		X		Unknown	
		1087		2	36945	80	610	530	950	4.80	2.072.384		211	61540
E5025	6AN	99.83	5		5392	127								
		6321		1	35378	54	426	361	90		1.301.48A		3FSM	
		8145		2	35869	68	538	586	100	4.90	2.222.544	2C	MESS	61390
		9175		2	36247	96	574	619	101	5.50	2.322.794		5932	61400
		0060		2	36580	89	606	526	98	4.80	2.012.360	E	HH55	61385
		1133		2	36947	89	786	680	1100	5.70	2.723.070	E	196	51565
E5033	6AN	98.85	5		5386	127								
		7104		3	35486	73	277	367	88	1.30	1.141.55A		1400	
		8143		3	35867	92	648	665	108	5.20	2.603.034	3C	MESS	51162
		9010		3	36214	85	634	576	94	5.70	2.302.654		155	61270
		0210		2	36602	75	518	486	K	4.10	1.892.213		MS41	51204
		1346		1	37028	75	536	612	1040	6.40	2.783.23M		MS13	61300
E5036	6AN	99.55	5		5361	127								
		7266		3	35527	70	248	394	94	2.60	1.291.80A		WHIT	
		8141		2	35867	78	530	574	98	5.40	2.112.484	1D	MESS	61186
		9152		2	36239	89	564	592	97	4.60	2.232.654		MESS	61330
		0118		3	36586	102	640	541	100	4.80	2.142.550	W	HP86	51290
		1261		3	36970	106	758	680	1080	5.60	2.803.250	W	L26	61500

E5073	6AN	103.98	5	5389	UnknAN									
		6327		1	35396	53	477	414	104		1.581.77A		3FSM	
		8121		3	35860	82	658	656	106	5.40	2.612.984	3C	MESS	61092
		9218		3	36266	104	608	676	110	6.80	2.703.254		5932	61218
		0087		2	36582	87	622	543	101	5.30	2.102.440	E	HP86	51228
		1161		3	36952	96	786	660	1050	5.20	2.753.130	E	205	51435
E5177	6AN	104.55	5	4388	UnknAN									
		6326		1	35395	52		0	C		A		3FSM	
		8109		2	35858	79	580	605	103	4.60	2.252.604	1D	MESS	51074
		9144		2	36238	87	622	648	106	5.30	2.502.914		5932	51140
		0069		3	36581	93	818	674	114	5.70	2.833.201	W	1445	41096
		1106		2	36945	84	710	610	1020	5.70	2.432.751	W	205	51275
E5233	6ARSM	95.80	5	4371	LRA									
		7076		2	35483	80	316	420	93	3.60	1.301.74A		132	
		8131		2	35863	90	534	571	97	5.40	2.042.454	3C	MESS	61158
		9142		3	36238	80		0	D		4		5932	71300
		0043		2	36578	84	592	509	95	4.70	1.952.284	5	144	51158
		1221		2	36966	90	546	512	920	4.60	1.942.324	PP	UnknHH	61390
E5236	6ARSM	98.36	5	5368	LRA									
		7186		3	35502	70	270	382	92	2.60	1.231.66A		WHIT	
		8201		2	35880	84	566	643	110	5.40	2.402.824	2C	MESS	61340
		9143		3	36238	89	620	618	100	5.90	2.482.904		5932	61390
		0154		2	36591	88	598	535	100	5.90	2.062.414	3	HP92	51360
		1277		3	36972	98	642	583	880	6.10	2.372.796	S16	SR34	51465
E5260	0ANGV		0	XXX	Unknown									
E5261	0ANGV		0	XXX	Unknown									
E5262	0ANGV		0	XXX	Unknown									
E5263	0ANGV		0	XXX	Unknown									
F6001	5AN	104.53	4	4363	127									
		8242		3	35939	82	384	575	91	4.40	2.112.69M	5D	MESS	61320
		9227		3	36291	90	528	680	117	5.20	2.693.24M		SKOG	61365
		0249		3	36644	88	499	578	109	5.10	2.302.79M		SKOG	61435
		1344		2	37028	98	508	635	1070	6.10	2.473.06M		UnknHH	61350



F6002	5AN	104.92	4	4364	127									
		8032		2	35849	60	538	565	104	4.60	2.072.335		141	51038
		9049		3	36220	68	710	676	110	6.10	2.773.064		5230	61210
		0096		3	36583	90	730	627	106	5.70	2.522.871	W	155	51190
		1046		2	36941	89	756	641	1080	3.70	2.552.891	W	207	51390
F6003	5AN	97.45	4	4356	132									
		8221		3	35893	84	419	511	88	3.80	1.792.245		MESS	51040
		9151		2	36239	79	552	597	98	5.10	2.212.584		MESS	61295
		0131		2	36588	85	562	523	95	5.90	1.922.273		SKOG	51224
		1203		2	36962	78	638	586	1050	6.00	2.342.674	PP	MESS	61380
F6005	5AN	103.83	4	4354	132									
		8204		3	35880	72	530	601	104	4.90	2.292.655		MESS	41022
		9050		2	36220	70	638	637	104	5.40	2.442.744		5230	51176
		0024		3	36577	92	734	619	104	5.60	2.472.821	N	HH55	41154
		1057		3	36942	88	846	683	1090	5.60	2.903.241	N	196	41325
F6006	5AN	101.44	4	4364	127									
		8140		2	35866	80	502	565	104	5.20	1.972.355		MESS	4 996
		9113		3	36233	83	562	570	93	4.90	2.182.554		5230	51230
		0124		2	36587	92	606	558	104	5.80	2.062.420	E	SKOG	51154
		1193		3	36958	95	790	677	1080	5.40	2.843.220	E	L28	41370
F6009	5AN	109.91	4	4416	132									
		7326		2	35723	74	310	476	115	4.30	1.582.08F		MESS	
		8294		2	36082	80	470	585	117P	5.50	2.152.60F		MESS	51090
		0135		2	36589	92	688	629	117	5.30	2.382.754	4	MS17	51202
		1259		2	36970	104	618	588	1050	6.10	2.232.684		UnknHH	51300
F6013	5AN	106.85	4	2366	127									
		8014		2	35847	82		0	D		5		141	51020
		9126		3	36236	92	698	705	115	5.60	2.793.224		5230	61192
		0190		2	36599	87		0	D		X		MS03	
		1124		2	36946	87	704	612	1090	6.30	2.422.764	PP	207	61290
F6016	5AN	99.15	4	3374	132									
		8146		2	35869	65	473	541	100	3.80	1.932.245		MESS	51042

				9199	2	36252	71	550	625	102	4.80	2.382.744		MESS	61200	
				KM12	0	36526			0	A				Unknown		
				1317	3	36992	69	638	624	940	4.50	2.713.046	S16	MS13	71465	
F6022	5AN	104.63	4	4364		132										
				8051	2	35853	72	542	578	106	5.30	2.072.395		689	5 938	
				9184	2	36248	78	556	624	102	5.00	2.342.734		MESS	61134	
				0072	2	36582	90	650	587	109	6.30	2.202.550	W	180	51112	
				1095	3	36945	95	832	681	1080	6.60	2.863.220	W	212	41285	
F6023	5AN	108.12	4	4412		127										
				7328	2	35725	73	300	466	113	4.80	1.542.04F		MESS		
				8303	2	36091	83	405	527	106P	4.60	1.872.35F		MESS	51148	
				9306	2	36429	86	396	501	115		1.822.33F		MESS	51224	
				1201	2	36961		682	622	1110	6.00	2.844	PP	MS13	61345	
F6024	5AN	98.83	4	4412		127										
				7320	1	35708	52	278	375	90	3.20	1.381.70F		DEX4		
				8288	2	36076	62	388	478	96P	4.40	1.742.07F		MESS	61360	
				9317	2	36440	87	353	470	108		1.672.22F		MESS	61455	
				1077	3	36945	89	696	575	1000	5.70	2.372.724		211	61460	
F6025	5AN	100.79	4	4366		155										
				8197	3	35880	73	578	651	112	5.30	2.532.895		MESS	41042	
				9108	2	36231	74	562	591	97	4.50	2.212.544		MESS	71255	
				0107	3	36585	94	598	523	91	5.20	1.992.364	7	1445	4 992	
				1301	2	36979	79	598	586	1050	5.20	2.342.694	PP	SR109	51320	
F6035	5AN	103.00	4	3362		127										
				8130	2	35862	84	514	569	105	4.80	1.972.365		141	51148	
				9077	3	36224	50		0	C				D	MESS	71610
				0090	2	36583	98	674	610	105	5.30	2.272.651	W	MS17	71510	
				1130	3	36947	100	786	649	1040	5.20	2.683.071	W	212	71620	
F6036	5AN	97.41	4	3356		1445										
				8200	2	35880	62	362	445	82	3.40	1.501.815		MESS	5 944	
				9107	2	36231	88	588	615	101	5.50	2.252.654		5230	61160	
				0048	3	36579	69		0	D				X	144	
				1138	3	36948	94	814	673	1060	5.70	2.823.193		212	61355	

F6038	5AN	99.14	4	4350	155									
		8220		2	35892	84	357	458	84	4.30	1.451.905		MESS	51032
		9128		3	36236	78	582	594	97	4.60	2.322.684		MESS	61216
		0205		3	36601	98	658	605	111	5.00	2.372.790	E	STUB	41162
		1050	3	36941	93	802	648	1030	5.60	2.713.060	E	212	51340	
F6039	5AN	95.42	4	4372	155									
		8030		3	35849	62	536	543	94	4.40	2.052.325		142	51084
		9206		3	36255	94	490	546	89	4.90	2.012.494		MESS	71280
		0143		3	36590	101	582	521	96	4.30	1.952.360	E	HP92	61325
		1223	3	36966	100	686	607	970	5.00	2.472.890	E	L28	61415	
F6053	5AN	109.03	4	4411	1445									
		7322		1	35711	66	313	419	101	2.40	1.531.94F		DEX4	
		8301		2	36089	76	415	536	108P	4.50	1.952.39F		MESS	61192
		9344		3	36472	87	404	617	134		2.503.18F		MESS	61320
		1070	3	36944	90	750	616	1070	5.60	2.572.924		211	61460	
F6055	5AN	99.05	4	4367	1445									
		8007		2	35844	73	524	545	100	5.20	1.912.225		689	4 954
		9065		2	36222	82	616	624	102	5.10	2.322.684		5230	71194
		0085		2	36582	95	560	512	99	4.80	1.822.202	W	HP93	51088
		1123	3	36946	89	732	602	930	6.10	2.502.852	W	205	61370	
F6066	5AN	91.07	4	4374	1445									
		8015		2	35847	62	500	526	97	4.40	1.882.155		132	51050
		9129		3	36236	94	540	558	91	4.80	2.062.504		5230	71265
		0121		2	36587	70	464	431	80	4.80	1.571.854	6	SKOG	51190
		1255	2	36970	46	494	466	830	4.10	1.942.144	PP	UnknHH	61395	
F6074	5AN	101.78	4	4365	1445									
		8033		2	35850	60	524	554	102	4.60	2.022.285		689	4 846
		9130		3	36236	66	648	656	107	5.60	2.682.994		5230	41020
		0216		3	36603	88	602	559	S	4.60	2.202.570	E	MESS	4 976
		1099	3	36945	71	766	623	990	4.10	2.692.970	E	205	51198	
F6078	5AN	108.24	4	4406	1445									
		7325		1	35723	77	298	419	101	3.30	1.482.00F		MESS	

				8306	3	36087	82	445	544	109P	4.30	2.062.53F		MESS	51058	
				9329	2	36451	78	408	580	133		2.232.76F		MESS	61220	
				1048	2	36941	86	666	570	1020	4.70	2.232.564		211	61290	
F6083	5AN	108.38	4	3407		1445										
				7329	2	35726	77		0	C			F	MESS		
				9132	2	36237	98	634	678	111	6.10	2.492.954		5230	61290	
				0241	2	36624	100	574	601	112	5.80	2.212.684	8	H38	51058	
				1132	3	36947	90	806	666	1150	5.20	2.813.164	S16	207	61350	
F6087	5AN	99.22	4	4350		127										
				8223	3	35897	82	436	539	93	4.70	1.932.385		MESS	51096	
				9114	3	36233	112	588	598	97	5.00	2.172.684		5230	71330	
				0112	3	36585	100	712	614	106	5.20	2.412.804	4	155	61355	
				1137	2	36948	92	630	554	990	6.30	2.132.494	PP	212	61415	
F6090	5AN	105.22	4	4366		155										
				8016	2	35847	88	574	599	110	5.70	2.092.465		142	41068	
				9055	3	36220	102	672	644	105	5.20	2.452.884		5230	61325	
				0171	2	36595	100	602	571	106	5.40	2.072.490	W	176	51270	
				1097	2	36945	110	774	669	1080	6.20	2.573.000	W	212	51475	
F6092	5AN	100.34	4	4367		132										
				8044	3	35851	81	572	581	100	4.30	2.142.505		132	51138	
				9123	3	36235	90	658	667	108	5.60	2.623.034		5230	61330	
				0101	2	36584	88	630	573	99	5.80	2.142.491	E	HP92	61335	
				1160	3	36951	89	708	593	950	5.70	2.462.811	E	196	51525	
F6099	5AN	101.07	4	4382		1445										
				8003	2	35849	62	556	0	K	5.90	2.142.415		RBOW	4 926	
				9137	3	36237	79	556	574	93	6.50	2.222.594		5230	61148	
				0079	2	36582	99	656	593	110	5.80	2.182.570	W	HP93	51108	
				1322	2	36995	84	543	568	1020	5.90	2.232.644	PP	MS03	61300	
F6106	5AN	102.96	4	4417		1445										
				7324	1	35717	64	295	409	98	3.40	1.491.90F		DEX4	71260	
				9185	2	36248	79	492	557	91	4.20	2.022.414		MESS	81455	
				0049	2	36579	93	698	618	115	5.70	2.332.684	4	HP93	71370	
				1241	3	36968	118	722	647	1120	5.10	2.583.094	S16	UnknHH	71500	



			8283	3	36070	74	475	559	113	4.70	2.082.46F		MESS	51014
			9313	2	36435	88	312	423	97		1.371.90F		MESS	51124
			1131	3	36947	82	636	550	950	4.20	2.182.504		211	61390
G7027	4ANGV	104.20		3	3361	132								
			9085	3	36226	100	620	632	102	5.70	2.302.745		1445	61140
			0163	3	36594	96	650	602	104	5.40	2.272.664	5	STUB	41016
			1135	3	36947	82	762	651	1130	5.20	2.683.004		212	41224
G7028	4ANMX	106.78		3	2433	142								
			8293	3	36082	78	442	549	111	4.30	2.012.44F		MESS	5 924
			9314	3	36437	83		0	D		F		MESS	
			1127	3	36947	90	884	749	1130	6.70	3.113.476	S16	211	51305
G7030	4ANHH	96.54		3	3352	132								
			9124	3	36235	78	526	562	90	4.10	2.062.425		MS13	61088
			0006	2	36572	91	636	577	107	5.10	2.062.400	W	STUB	51106
			1039	2	36939	81	614	539	870	4.70	2.022.330	W	207	61370
G7044	4AN	103.83		3	3375	127								
			9038	3	36218	95	694	681	110	5.50	2.562.975		141	61086
			0141	2	36589	90	624	597	103	4.90	2.152.521	W	STUB	51164
			1226	2	36967	99	650	626	1050	5.50	2.332.751	W	L08	61340
G7047	4AN	99.82		3	2359	127								
			9076	3	36224	84		0	C		D		141	71690
			0066	3	36581	110	608	551	95	4.20	1.952.384		MS17	71560
			1054	2	36942	77	656	581	1040	5.70	2.242.534		196	81755
G7050	4AN	105.05		3	3365	1400								
			9117	3	36234	80	648	675	109	5.40	2.612.975		MS13	51060
			0203	2	36601	82	614	610	105	5.50	2.252.601	W	STUB	51134
			1212	3	36964	82	760	684	1090	5.50	2.843.181	W	L08	51325
G7052	4ANGV	104.28		3	3454	155								
			8280	3	36066	85	442	516	104	4.60	1.812.24F		MESS	51092
			9343	3	36467	81	329	503	110		1.882.49F		MESS	61320
			1289	3	36974	105	744	700	1060	6.20	2.803.266	S16	MS13	71540



G7094	4AN	93.59	3	2435	127										
		8287		3	36076	74	354	440	89	3.70	1.501.89F		MESS	51060	
		9311		3	36436	78			0				F	MESS	
		1102		3	36945	90	594	514	890	3.70	1.972.324		211	51445	
G7095	4AN	101.69	3	2443	132										
		8308		3	36086	84			0				F	MESS	51072
		9310		2	36434	88	310	419	96		1.351.88F		MESS	51138	
		1267		2	36971	89	626	615	1100	5.10	2.332.724	PP	STUB	51325	
G7096	4AN	83.78	4	4362	127										
		8275		2	35943	45	169	243	41	0.20	0.911.23M		RBOW	5 870	
		9298		2	36339	72	220	403		2.20	1.291.91M		MESS	51018	
		0283		3	36680	98	351	499	94	4.90	1.772.45M		STUB	61285	
		1345		3	37028	102	413	506	910	4.90	1.872.49M		LRA	71380	
G7098	4AN	105.45	3	3440	132										
		8281		2	36067	64	437	533	107	3.90	1.902.23F		MESS	5 888	
		9304		3	36426	77	408	508	111		1.912.36F		MESS	51026	
		1125		2	36946	79	666	598	1070	5.80	2.302.614	PP	211	61335	
G7101	4AN	97.25	3	3360	132										
		9125		3	36236	80	576	609	98	4.60	2.292.655		MS13	61196	
		0213		2	36602	83	495	503	93	4.10	1.752.110	W	STUB	51250	
		1177		3	36955	90	688	605	960	5.80	2.412.770	W	205	61475	
G7108	4ARAN	103.84	3	3364	MESS										
		9214		2	36263	74	456	569	98	3.90	2.022.415		MS13	61134	
		0057		3	36579	72	656	577	102	4.60	2.262.542	E	STUB	41024	
		1313		2	36991	98	704	737	1170	6.30	2.863.322	E	L18	61285	
G7113	4AN	102.53	3	3363	1400										
		9025		2	36217	80	560	581	100	4.80	2.042.385		1445	61265	
		0059		2	36580	88	582	542	101	4.70	1.912.254	1	STUB	51305	
		1058		2	36943	83	698	620	1110	5.70	2.382.714	PP	212	61440	
G7115	4AN	103.09	3	3385	1445										
		9058		2	36221	84	524	556	95	4.60	1.902.275		144	61062	





				9183	3	36248	81	602	662	107	5.40	2.542.945		MS13	51050
				0196	2	36600	86	524	527	98	4.00	1.852.210	E	STUB	51026
				1294	2	36975	85	622	615	990	5.10	2.362.730	E	L28	51385
G7261	4ARAN	98.34	3	3375		MESS									
				9037	2	36218	68	532	554	95	3.90	1.972.265		141	61285
				0041	3	36578	105	678	600	101	5.60	2.212.621	N	STUB	51260
				1246	3	36968	102	654	604	960	5.00	2.352.781	N	L15	61520
G7269	4ARMX	100.95	3	3365		LRA									
				9013	3	36215	84	664	645	104	5.70	2.442.795		MESS	61118
				0232	3	36614	88	554	555	96	4.70	2.082.474	8	MS13	41042
				1069	2	36944	94	650	584	1040	6.20	2.162.534	PP	212	51270
G7280	4ARMX	101.06	3	1352		MESS									
				9194	3	36250	83		0	D			5	DEADMS13	61162
				KM14	0	36526			0	A			X	Unknown	
				1166	3	36953	89	674	593	1030	5.30	2.362.724		211	71480
G7283	4ARMX	94.78	3	2363		MESS									
				9145	2	36238	72		0	D			D	MS13	71124
				0164	3	36595	75	524	498	86	4.90	1.862.174		MS17	51062
				1216	3	36964	88	696	632	960	5.00	2.552.926	S16	SR109	61255
G7298	4ARMX	101.98	3	3368		MESS									
				9003	3	36210	88	620	598	96	4.60	2.192.555		155	51056
				0168	2	36595	85	566	554	103	5.90	1.982.334	8	STUB	4 942
				1093	2	36945	80	686	613	1100	5.70	2.372.684	PP	205	41156
G7311	4AR	100.61	3	3359		LRA									
				9200	3	36253	92	542	613	99	4.90	2.252.715		MS13	51004
				0063	3	36581	85	696	613	106	5.60	2.382.714	6	STUB	4 920
				1262	3	36970	99	696	647	980	5.10	2.573.006	S16	UnknHH	51240
G7312	0ANGV		0	XXX		Unknown									
G7313	0ANGV		0	XXX		Unknown									
H8001	3AN	83.46	2	2522		127									
				9309	3	36434	87	224	315	69	0.831.36F			MESS	61198

		1178		2	36956	81	408	411	730	3.40	1.331.674		MS13	61580
H8007	3AN	99.00	2	2486	689									
		9332		2	36453		268	422	97		1.84F		MESS	4 868
		1036		3	36939	90	738	634	1000	4.50	2.452.803		211	51240
H8012	3AN	92.54	2	2366	155									
		0007		2	36572	64	354	362	79	1.70	1.101.345	SS	LRA	61132
		1030		2	36938	73	578	529	950	4.10	1.922.204	PP	207	51290
H8016	3AN	105.92	2	2448	142									
		0033		3	36578	98	502	481	101	4.60	1.571.955	SS	LRA	41024
		1342		2	37026	100	542	708	1200	5.50	2.633.23M		MS13	61345
H8018	3AN	102.04	2	2401	142									
		0162		2	36594	72	447	467	102	3.50	1.551.855		MS43	41156
		1324		3	36995	88	570	605	1050	5.10	2.332.754	S16	SR49	51485
H8019	3AN	89.42	2	1349	142									
		0178		2	36597	73		0	D		X		H48	
		1121		3	36946	88	456	425	740	2.70	1.441.794		196	61290
H8029	3ANMX	99.06	3	2309	127									
		9302		2	36325	69	558	515			1.782.04M		MESS	5 930
		KM16		0	36526			0	A		X		Unknown	
		1061		2	36943	70	590	546	980	5.20	2.022.294		207	51300
H8032	3AN	101.54	2	2345	141									
		0183		2	36598	80	502	524	115	5.00	1.772.115		H48	5 984
		1063		2	36943	68	544	507	910	4.20	1.842.114	PP	205	51194
H8035	3AN	101.70	2	2491	142									
		9341		2	36459	81	302	478	110		1.582.16F		MESS	5 986
		1154		3	36950	88	612	557	960	5.20	2.092.444		211	51255
H8036	3AN	103.05	2	2388	132									
		0001		2	36570	71	486	469	103	4.10	1.561.835	SS	LRA	3 934
		1192		3	36958	81	744	677	1080	3.90	2.713.041	N	MS43	41200







		0244		3	36625	89	459	509	107	3.50	1.752.185		MS43	4	974
		1348		2	37035	90	399	549	930	4.20	1.942.51M		SR109		61222
H8149	3AR	97.13	2	2320	MESS										
		0245		3	36625	51	398	448	94	3.50	1.641.895		MS43	5	972
		1084		3	36945	80	622	553	960	4.20	2.112.424	S16	205		51146
H8153	3AR	88.10	2	1370	MESS										
		0209		3	36602	82		0	D			X	MS43		
		1282		3	36972	76	399	406	700	3.20	1.411.744		STUB		51160
H8168	3AR	98.14	2	2365	MESS										
		0165		3	36595	64	462	464	97	2.50	1.651.925		H48		51020
		1199		3	36960	90	686	636	960	5.40	2.462.836	S16	SR49		51190
H8203	3AR	100.55	2	2342	MESS										
		0235		3	36617	76	469	504	106	3.90	1.792.145		MS43		51082
		1197		3	36959	92	590	555	960	4.90	2.062.444		STUB		51280
H8215	3AR	96.56	2	2384	MESS										
		0026		2	36577	81	420	425	93	3.70	1.311.625	SS	LRA		41004
		1200		3	36961	98	672	627	950	4.90	2.382.796	S16	MS43		61280
H8216	3AR	96.85	2	2390	MESS										
		0027		3	36577	80	447	432	91	2.60	1.421.735	SS	LRA	4	874
		1237		2	36967	82	544	550	980	4.10	1.972.324	PP	MS43		51152
H8217	3AR	104.47	2	2382	MESS										
		0046		2	36578	80	466	464	102	3.30	1.501.815	SS	LRA		51156
		1198		2	36960	92	654	637	1140	5.90	2.332.714	PP	MS43		51305
H8220	3AR	104.10	2	2370	MESS										
		0179		3	36597	75	558	550	116	4.00	2.022.335		MS43	4	906
		1238		3	36967	97	688	653	990	6.00	2.512.936	S16	SR49		41096
H8227	3AR	100.08	2	2464	MESS										
		0042		2	36578	71	482	476	104	4.20	1.591.875		LRA	3	890
		1359		1	37042	83	434	565	960	5.70	2.312.86M		SR109		61140

H8230	3AR	102.75	2	2387	MESS									
		0025		2	36577	62	504	491	108	4.70	1.711.955		LRA	5 922
		1214		2	36964	80	574	571	1020	4.50	2.082.424	PP	SR49	51146
H8247	3AR	102.47	2	2366	MESS									
		0204		2	36601	78	469	498	109	4.10	1.662.005		MS43	4 822
		1230		2	36967	92	551	557	1000	5.10	1.962.354		SR49	51024
H8250	3AR	96.57	2	2366	MESS									
		0247		3	36633	68	352	415	87	3.20	1.401.735		MS43	61058
		1326		2	36999	106	496	565	1010	5.00	1.932.464	PP	SR49	61270
H8254	3AR	96.85	2	2347	MESS									
		0182		2	36598	71	408	437	96	3.50	1.421.715		H48	5 888
		1081		3	36945	85	600	538	930	4.20	2.012.344		207	51042
H8271	3AR	94.92	2	2359	MESS									
		0214		3	36603	69	411	431	90	3.10	1.471.765		MS43	51096
		1208		3	36962	110	644	607	920	4.90	2.232.686	S16	STUB	61455
H8274	3AR	100.31	2	2368	MESS									
		0240		3	36622	71	432	477	100	3.90	1.692.025		MS43	4 948
		1310		3	36990	88	558	583	1010	5.00	2.222.634	S16	SR49	51230
H8276	3AR	104.94	2	2437	MESS									
		0188		2	36598	84	468	493	108	4.00	1.611.975		MS43	3 850
		1347		2	37035	102	473	646	1090	5.20	2.332.97M		SR109	51120
H8306	0ANGV		0	XXX	Unknown									
J9002	2AN	100.77	1	10	142									
		1015		3	36932	63	588	525	1020	3.40	1.952.195		MESS	51072
J9006	2AN	95.19	1	10	155									
		1008		2	36929	62	429	414	880	2.10	1.351.585		MESS	41008
J9019	2AN	100.83	1	10	155									
		1038		3	36939	83	570	526	1020	4.60	1.862.185		MESS	41014





			1328		3	37004	74	441	516	0	3.80	1.862.245	MESS	5 984
J9067	2AN	98.18	1182	1	10	141								
					3	36956	74	500	492	950	3.40	1.742.045	MESS	51365
J9068	2HPAN	103.00	1019	1	10	HP93								
					2	36932	81	534	506	1070	4.10	1.681.995	MESS	51134
J9081	2AN	109.02	1003	1	10	141								
					2	36926	71	638	577	1230	4.00	2.062.325	MESS	51142
J9088	2HPAN	106.86	1152	1	10	HP92								
					2	36949	86	558	552	1170	4.80	1.872.215	MESS	61196
J9097	2HPAN	99.00	1016	1	10	HP92								
					3	36932	70	556	502	980	3.40	1.812.075	MESS	51112
J9110	2HPAN	91.45	1148	1	10	HP92								
					3	36949	80	404	405	790	2.80	1.291.605	MESS	51180
J9347	2HH	102.89	1042	1	10	THH6032								
					3	36940	90	600	552	1070	4.10	1.952.305	MESS	51050
J9350	2HH	94.74	1278	1	10	THH1712								
					2	36972	76	365	409	870	2.70	1.261.595	MESS	51108
J9352	2HH	93.82	1041	1	10	THH415								
					2	36940	84	389	398	850	1.70	1.171.495	MESS	51214
J9353	2HH	100.03	1151	1	10	THH415								
					2	36949	90	463	471	1000	3.80	1.481.845	MESS	51044
J9356	2HH	106.12	1184	1	10	THH96910								
					2	36956	82	536	543	1150	3.90	1.852.195	MESS	51152
J9362	2HH		1320	1	10	THH95430								
					2	36993	81	412	484	0	4.50	1.591.985	MESS	51158
J9363	2HH	100.00	1044	1	10	THH95430								
					3	36940	89	421	458	1000	1.501.90		MESS	61218



J9382	2HH	99.89 1075	1	10 2 36945	THH6106 89	467	470	1000	3.80	1.481.825	MESS	51092
J9384	2HH	101.34 1043	1	10 2 36940	THH95430 85	496	487	1030	4.20	1.571.905	MESS	61220
J9386	2HH	1319	1	10 2 36993	THH95430 78	452	526	0	4.50	1.802.175	MESS	51080
J9388	2HH	89.32 1009	1	10 2 36931	THH6106 83	333	345	730	2.10	0.931.235	MESS	51108
J9389	2HH	1020A	1	10 3 36932	THH95430 51	522	472	K	1.751.945		MESS	61246
J9390	2HH	99.97 1115	1	10 2 36946	THH415 88	467	471	1000	4.30	1.491.835	MESS	51210
J9392	2HH	99.39 1001A	1	10 2 36925	THH95430 64	497	464	980	3.00	1.571.805	MESS	61148
J9393	2HH	99.86 1023	1	10 2 36935	UnknHH 79	484	469	1000	3.20	1.521.825	MESS	41078
J9394	2HH	101.83 1186	1	10 2 36956	THH6032 74	480	492	1050	3.90	1.661.965	MESS	51122
J9396	2HH	107.62 1060	1	10 2 36943	THH6032 85	580	561	1190	4.20	1.922.255	MESS	51118
J9397	2HH	103.74 1029	1	10 3 36938	THH95430 104	614	563	1090	4.50	1.942.335	MESS	51180
J9398	2HH	99.19 1010	1	10 2 36931	THH95430 73	482	461	980	3.10	1.511.795	MESS	61160
J9399	2HH	94.78 1150	1	10 3 36949	THH1712 87	455	448	870	2.30	1.461.815	MESS	51228
J9402	2HH	96.22	1	10	THH6032							



K0101	0HPAN	0	XXX	HP92
K0103	0HP	0	XXX	HP86
K0108	0HP	0	XXX	HP86
K0109	0HPMX	0	XXX	HP92
K0111	0AR	0	XXX	MS17
K0122	0AN	0	XXX	180
K0123	0HPAN	0	XXX	HP92
K0127	0AN	0	XXX	144
K0129	0HP	0	XXX	HP86
K0130	0AN	0	XXX	176
K0132	0AN	0	XXX	1445
K0137	0HP	0	XXX	HP86
K0141	0HHAN	0	XXX	STUB
K0142	0ARAN	0	XXX	MS43
K0147	0HP	0	XXX	HP92
K0148	0AR	0	XXX	MS17
K0152	0AR	0	XXX	MESS
K0158	0AR	0	XXX	MS17
K0171	0AN	0	XXX	176
K0177	0ARAN	0	XXX	MESS
K0183	0HHAN	0	XXX	H48
K0184	0HHAR	0	XXX	H109
K0188	0AR	0	XXX	MS43
K0196	0HHAR	0	XXX	STUB
K0202	0HHAR	0	XXX	STUB
K0203	0HHAN	0	XXX	STUB
K0210	0ARAN	0	XXX	MS41
K0213	0HHAN	0	XXX	STUB
K0219	0AR	0	XXX	MS46
K0236	0HHAN	0	XXX	H109
K0241	0HHAN	0	XXX	H38
K0301	0AN	0	XXX	EXTS
K0302	0AN	0	XXX	EXTS
K0303	0AN	0	XXX	Unknown
K0305	0AN	0	XXX	Unknown
K0306	0AN	0	XXX	Unknown
K0307	0AN	0	XXX	EXTS
K0308	0ANHH	0	XXX	8044
K0309	0AN	0	XXX	Unknown

K0310	0AN	0	XXX	EXTS
K0311	0AN	0	XXX	EXTS
K0312	0AN	0	XXX	EXTS
K0313	0AN	0	XXX	Unknown
K0315	0AN	0	XXX	Unknown
K0316	0ANHH	0	XXX	A7
K0318	0AN	0	XXX	Unknown
K0319	0ANHH	0	XXX	TT99
K0322	0ANHH	0	XXX	8044
K0323	0ANHH	0	XXX	A7
K0325	0ANHH	0	XXX	8044
K0326	0ANHH	0	XXX	8044
K0327	0ANHH	0	XXX	A7
K0328	0ANHH	0	XXX	A7
K0331	0ANHH	0	XXX	A7
K0335	0ANHH	0	XXX	A7
K0336	0ANHH	0	XXX	A7
K0337	0ANHH	0	XXX	A7
K0338	0ANHH	0	XXX	A7
K0341	0ANHH	0	XXX	A7
K0344	0ANHH	0	XXX	A7
K0345	0ANHH	0	XXX	A7
K0346	0ANHH	0	XXX	A7
K0347	0ANHH	0	XXX	8044
K0349	0ANHH	0	XXX	A7
K0350	0ANHH	0	XXX	8044
K0351	0ANHH	0	XXX	A7
K0352	0ANHH	0	XXX	Unknown
K0353	0ANHH	0	XXX	TT99

Y9X13	12ANHH	97.83	11	11365	UnknAN								
		0025A		3	33320	70	486	502	92	1.822.12		ANGS	
		2012		2	33683	90	518	537	95	1.882.27		C718	
		3261		2	34062	92	575	649	1070	2.482.95		8060	
		4014		2	34409	94	581	550	101	2.102.501	21	UnknCH	
		5124		3	34787	101	671	607	103	2.472.901	E	UnknCH	61149
		6210		2	35154	83	527	531	93	4.90 2.072.451	E	UnknCH	61139
		7127		3	35488	96	674	553	97	4.50 2.232.601	E	155	51250
		8080		2	35854	80	600	520	94	3.70 2.022.331	E	155	61270

		9087	3	36227	80	646	552	88	4.30	2.302.631	E	1445	61216
		0218	3	36605	91	618	577	97	5.60	2.272.661	E	SKOG	61250
		1264	2	36971	100	650	635	1060	4.60	2.372.801	E	L17	61260
Z00X2	11ANHH	98.12	9	9362	UnknAN								
		3209	2	34059	94	485	553	910		1.942.40		937	
		4239	3	34445	114	510	561	99		2.082.685	25	UnknCH	
		5223	2	34827	102	462	532	90	4.80	1.982.545		UnknCH	6.51302
		6257	2	35164	111	556	637	115	4.70	2.423.025	OR	UnknCH	71300
		7212	2	35505	84	556	538	102	4.60	2.092.463		MESS	71370
		8175	3	35876	80	483	485	83	3.70	1.982.373		MESS	71315
		9090	2	36227	120	674	611	103	5.40	2.252.740	E	5932	61236
		0129	2	36588	92	646	572	106	4.30	2.212.574	1	HP86	61198
		1173	2	36955	84	542	508	910	4.40	1.862.204	PP	212	61280
Z00X4	11ANHH	108.03	9	9362	UnknAN								
		3306	3	34075	118	522	603	980		2.172.81		937	
		4124	2	34422	120	580	610	106		2.162.725	25	UnknCH	
		5147	3	34790	101	676	639	105	6.30	2.633.095		UnknCH	6.51390
		6291	3	35181	125	542	640	119	5.10	2.513.27B	W	UnknCH	61360
		7230	3	35508	110	704	656	114	5.80	2.663.163		LRA	61505
		8207	3	35881	112	616	631	108	4.70	2.533.103		MESS	51380
		9041	3	36219	98	666	593	103	5.20	2.422.833		155	61415
		0136	3	36589	110	746	632	109	5.80	2.542.984	2	HP86	51350
		1243	3	36968	100	766	704	1220	6.00	2.853.274	S16	UnknHH	61520
Z0X20	11ANHH	97.68	9	9358	UnknAN								
		3276	2	34075	90	485	600	990		2.172.66		937	
		4234	3	34443	120	562	567	98		2.082.652	22	UnknCH	
		5169	3	34794	98	674	625	107		2.573.012	W	UnknCH	6.51415
		6154	2	35144	73	530	513	98	4.80	2.032.362	W	UnknCH	71363
		7014	2	35477	65	638	525	91	4.80	2.122.362	W	142	71530
		8012	2	35846	74	606	510	98	4.60	2.012.292	W	155	71465
		9147	3	36239	85	670	598	97	5.00	2.502.862	W	5230	61400
		0133	3	36589	100	596	510	90	4.80	2.002.402	W	HP92	61350
		1052	3	36942	92	738	620	960	4.10	2.482.832	W	212	61555
Z0X23	11ANHH	103.19	9	9358	UnknAN								
		3312	2	34078	94	521	650	1070		2.392.91		937	



4119	3	34422	102	564	554	98		2.112.581	21	UnknCH	
5145	2	34790	79	645	617	101		2.482.831	W	UnknCH	51205
6123	2	35138	76	666	630	110	5.20	2.552.881	W	UnknCH	51366
7133	2	35490	93	702	608	110	6.30	2.372.731	W	RBOW	51212
8162	2	35873	82	592	547	99	5.50	2.142.491	W	RBOW	41275
9180	3	36248	102	726	671	107	5.60	2.773.231	W	5230	51365
0037	3	36578	73	694	565	95	5.10	2.402.681	W	142	51310
1047	3	36941	83	806	669	1070	5.60	2.763.081	W	212	51390

Average Age of 432 Cows is 3 Years

Average calving interval for 226 cows is 384.9 days

**Graph 1.**  
**Dickinson Research Extension Center**  
**Cow/Calf Inventory and Pounds Produced**

