Appendix 2—Land-Surface Altitudes for Wells in Harris County from Light Detection and Ranging (LiDAR)-Based Digital Elevation Model

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Most land-surface altitudes for wells of this report are estimates from U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle maps. For this report, land-surface altitudes for the 294 wells in Harris County are from a Light Detection and Ranging (LiDAR)-based digital elevation model (DEM). A DEM is a digital file of land-surface altitudes at regularly spaced intervals; in other words, a grid of cells, each cell with a land-surface altitude. LiDAR is a technology that integrates laser scanning, Global Positioning System, and Inertial Navigation Systems to collect data to produce accurate DEMs. The Harris County DEM was composited by the USGS from a series of DEMs created using LiDAR as a part of the Tropical Storm Allison Recovery Project (Tropical Storm Allison Recovery Project, 2009; Peggy Cobb, Terrapoint Aerial Services, written commun., 2009).

Estimates of land-surface altitude from topographic maps are likely to be less accurate than those derived from the LiDAR-based DEM. Use of the DEM as the source of land-surface altitudes thus results in changes in land-surface altitude for some wells in Harris County, presumably to more accurate values, hence the reason for using the DEM. The change in land-surface altitude was at least 1 foot for 212 of the 294 Harris County wells (63 wells in Chicot aquifer, 222 wells in Evangeline aquifer, and 9 wells in Jasper aquifer) (table 2.1). The Chicot aquifer land-surface-altitude changes, to the nearest foot for each well, ranged from +16 to -10 feet; the mean absolute change was 2.92 feet. The Evangeline aquifer land-surface-altitude changes, to the nearest foot for each well, ranged from +11 to -9 feet; the mean absolute change was 1.72 feet. The Jasper aquifer land-surface-altitude changes, to the nearest foot for each well, ranged from +12 to -4 feet; the mean absolute change was 3 feet.

Because of these changes in Harris County land-surface altitudes, some of the water-level changes between 2009 and previous years indicated on the water-level-change maps of this report are the result of the land-surface-altitude changes and not actual water-level changes. However, if the change maps for this and future annual map-series reports are to accurately reflect differences between current-year and previous-year water-level-altitude maps (each of which reflects the land-surface altitudes of the wells providing the data for the respective map), then the effects of land-surface-altitude changes on water-level-change maps are unavoidable.

The vertical datum for the water-level-altitude maps of this report is the National Geodetic Vertical Datum of 1929 (NGVD 29) or the newer, more accurate North American Vertical Datum of 1988 (NAVD 88), which currently (2009) is the official vertical datum of the United States (National Oceanic and Atmospheric Administration, 2007). The original datum of USGS 7.5-minute topographic quadrangle maps in the Houston-Galveston region is NGVD 29. However, the USGS has digitized and reprojected to NAVD 88 some 7.5-minute topographic quadrangle maps for the region; thus some of the water-level altitudes are relative to NGVD 29, and some are relative to NAVD 88. The datum of the LiDAR-based DEM is NAVD 88. Accordingly, both datums are listed on the water-level-altitude maps (figs. 1, 6, 11), and altitudes relative to each datum, as applicable, are listed in the corresponding tables (tables 1, 6, 11). Any change in land-surface altitude resulting from differences in NGVD 29 and NAVD 88 are assumed to be small relative to changes in land-surface altitude resulting from inaccurate estimates of land-surface altitude from topographic maps.

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Chicot	293202095070301	LJ-65-32-739	24	23	-1
Chicot	293246095072501	LJ-65-32-430	25	25	0
Chicot	293247095054601	LJ-65-32-407	18	19	1
Chicot	293306095050801	LJ-65-32-422	19	17	-2
Chicot	293344095082301	LJ-65-31-605	34	35	1
Chicot	293348095070602	LJ-65-32-426	24	24	0
Chicot	293357095070801	LJ-65-32-410	25	24	-1
Chicot	293401095054301	LJ-65-32-405	21	21	0
Chicot	293446095033901	LJ-65-32-519	20	20	0
Chicot	293539095054201	LJ-65-32-104	18	20	2
Chicot	293909095012201	LJ-65-24-902	20	20	0
Chicot	293949095024301	LJ-65-24-811	24	26	2
Chicot	294108095324702	LJ-65-20-520	68	60	-8
Chicot	294158095024701	LJ-65-24-501	29	34	5
Chicot	294237095093202	LJ-65-23-320	32	37	5
Chicot	294302095411801	LJ-65-19-201	93	93	0

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes—Continued.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Chicot	294315095133202	LJ-65-23-130	20	31	11
Chicot	294322095041701	LJ-65-24-202	33	38	5
Chicot	294329095284603	LJ-65-21-150	64	65	1
Chicot	294334095075001	LJ-65-23-302	30	23	-7
Chicot	294338095270401	LJ-65-21-201	63	61	-2
Chicot	294338095270406	LJ-65-21-229	64	61	-3
Chicot	294342095034601	LJ-65-24-211	17	33	16
Chicot	294349095072901	LJ-65-24-111	27	32	5
Chicot	294407095403701	LJ-65-19-203	92	92	0
Chicot	294425095100801	LJ-65-23-220	20	12	-8
Chicot	294433095044701	LJ-65-24-215	20	29	9
Chicot	294458095044601	LJ-65-24-209	26	27	1
Chicot	294527095014901	LJ-65-16-904	22	30	8
Chicot	294527095014905	LJ-65-16-925	25	30	5
Chicot	294527095014910	LJ-65-16-930	25	30	5
Chicot	294538095344601	LJ-65-12-801	75	74	-1
Chicot	294601095041901	LJ-65-16-814	15	8	-7
Chicot	294602095092403	LJ-65-15-917	27	33	6
Chicot	294602095092405	LJ-65-15-920	27	33	6
Chicot	294613095172601	LJ-65-14-912	45	45	0
Chicot	294637095022901	LJ-65-16-905	23	31	8
Chicot	294726095351104	LJ-65-12-729	93	94	1
Chicot	294728095200103	LJ-65-14-738	49	51	2
Chicot	294807095484901	LJ-65-10-518	146	146	0
Chicot	294812095013001	LJ-65-16-602	36	37	1
Chicot	294921095312907	LJ-65-12-633	93	93	0
Chicot	294924095024301	LJ-65-16-504	41	44	3
Chicot	294932094551401	LJ-64-09-505	29	28	-1
Chicot	295207095262101	LJ-65-13-221	91	92	1
Chicot	295451095083901	LJ-65-07-904	60	56	-4
Chicot	295505095462201	LJ-65-02-612	156	158	2
Chicot	295522095291902	LJ-65-05-404	107	108	1
Chicot	295616095170101	LJ-65-06-601	72	72	0
Chicot	295633095324401	LJ-65-04-515	124	123	-1
Chicot	295646095324601	LJ-65-04-514	124	123	-1
Chicot	295650095322301	LJ-65-04-612	124	122	-2
Chicot	295651095083501	LJ-65-07-601	71	61	-10
Chicot	295704095320301	LJ-65-04-614	120	121	1
Chicot	295705095320201	LJ-65-04-615	120	121	1
Chicot	295711095330201	LJ-65-04-526	124	125	1
Chicot	295817095065501	LJ-65-08-103	68	67	-1
Chicot	295840095525901	LJ-65-01-301	216	216	0
Chicot	295842095430201	LJ-65-03-101	152	155	3
Chicot	300007095354701	LJ-60-60-712	141	141	0
Chicot	300101095211301	LJ-60-62-716	81	86	5
Chicot	300457095245801	LJ-60-61-601	119	122	3
Chicot	300521095365101	LJ-60-60-103	180	180	0
Evangeline	293306095054101	LJ-65-32-401	16	21	5
Evangeline	293348095070601	LJ-65-32-425	24	24	0

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes—Continued.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Evangeline	293348095070603	LJ-65-32-427	24	24	0
Evangeline	293348095070604	LJ-65-32-428	24	24	0
Evangeline	293352095011601	LJ-65-32-625	13	13	0
Evangeline	293352095011602	LJ-65-32-626	13	13	0
Evangeline	293352095011603	LJ-65-32-627	13	13	0
Evangeline	293352095011606	LJ-65-32-630	13	13	0
Evangeline	293652095293601	LJ-65-29-108	70	69	-1
Evangeline	293732095300601	LJ-65-20-911	70	70	0
Evangeline	293734095293701	LJ-65-21-708	65	66	1
Evangeline	293736095285301	LJ-65-21-709	65	64	-1
Evangeline	293847095330601	LJ-65-20-803	78	76	-2
Evangeline	293906095171801	LJ-65-22-901	45	46	1
Evangeline	293910095135601	LJ-65-23-708	35	35	0
Evangeline	293922095185501	LJ-65-22-802	42	43	1
Evangeline	293933095342101	LJ-65-20-813	82	82	0
Evangeline	293938095351001	LJ-65-20-706	85	85	0
Evangeline	293941095135001	LJ-65-23-727	27	35	8
Evangeline	293942095124901	LJ-65-23-709	36	38	2
Evangeline	293942095283101	LJ-65-21-701	63	63	0
Evangeline	293954095330701	LJ-65-20-807	76	76	0
Evangeline	293956095120801	LJ-65-23-809	35	35	0
Evangeline	293956095295101	LJ-65-21-712	66	66	0
Evangeline	294002095351001	LJ-65-20-414	86	86	0
Evangeline	294010095350501	LJ-65-20-417	86	87	1
Evangeline	294029095354301	LJ-65-20-410	86	88	2
Evangeline	294044095280502	LJ-65-21-417	56	57	1
Evangeline	294044095301001	LJ-65-20-619	60	63	3
Evangeline	294047095345601	LJ-65-20-516	85	85	0
Evangeline	294050095355501	LJ-65-20-416	85	85	0
Evangeline	294106095171201	LJ-65-22-618	38	39	1
Evangeline	294113095361702	LJ-65-20-422	86	87	1
Evangeline	294127095342502	LJ-65-20-519	78	77	-1
Evangeline	294131095360701	LJ-65-20-407	85	85	0
Evangeline	294144095351001	LJ-65-20-409	75	79	4
Evangeline	294145095371201	LJ-65-20-418	85	85	0
Evangeline	294147095344301	LJ-65-20-513	75	75	0
Evangeline	294149095363001	LJ-65-20-408	85	86	1
Evangeline	294201095355601	LJ-65-20-405	83	83	0
Evangeline	294206095162601	LJ-65-22-622	34	37	3
Evangeline	294207095022001	LJ-65-24-606	29	37	8
Evangeline	294211095370901	LJ-65-20-419	84	85	1
Evangeline	294213095322001	LJ-65-20-614	76	75	-1
Evangeline	294215095301502	LJ-65-20-626	70	70	0
Evangeline	294230095232201	LJ-65-21-303	44	43	-1
Evangeline	294237095093205	LJ-65-23-323	32	37	5
Evangeline	294237095093206	LJ-65-23-324	32	37	5
Evangeline	294237095093207	LJ-65-23-325	32	37	5
Evangeline	294237095093208	LJ-65-23-326	32	37	5
Evangeline	294237095342301	LJ-65-20-224	77	78	1

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes—Continued.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Evangeline	294243095371201	LJ-65-20-127	83	84	1
Evangeline	294245095233501	LJ-65-21-330	47	49	2
Evangeline	294252095362101	LJ-65-20-125	83	81	-2
Evangeline	294301095341801	LJ-65-20-226	80	78	-2
Evangeline	294306095371801	LJ-65-20-123	80	82	2
Evangeline	294311095071401	LJ-65-24-114	28	33	5
Evangeline	294313095365101	LJ-65-20-128	81	83	2
Evangeline	294315095133201	LJ-65-23-129	20	31	11
Evangeline	294317095313001	LJ-65-20-304	74	74	0
Evangeline	294323095300102	LJ-65-20-324	71	70	-1
Evangeline	294326095133901	LJ-65-23-136	17	19	2
Evangeline	294326095293002	LJ-65-21-144	69	69	0
Evangeline	294327095132901	LJ-65-23-106	18	23	5
Evangeline	294328095290402	LJ-65-21-149	69	66	-3
Evangeline	294329095284602	LJ-65-21-148	64	65	1
Evangeline	294333095275602	LJ-65-21-143	64	63	-1
Evangeline	294336095082101	LJ-65-23-309	31	34	3
Evangeline	294338095270402	LJ-65-21-226	64	61	-3
Evangeline	294338095270403	LJ-65-21-230	64	61	-3
Evangeline	294340095311103	LJ-65-20-321	72	73	1
Evangeline	294348095270401	LJ-65-21-202	63	63	0
Evangeline	294348095303702	LJ-65-20-319	72	71	-1
Evangeline	294352095385501	LJ-65-19-319	91	92	1
Evangeline	294356095391501	LJ-65-19-317	93	92	-1
Evangeline	294403095141801	LJ-65-23-103	28	34	6
Evangeline	294409095105501	LJ-65-23-214	25	29	4
Evangeline	294414095364202	LJ-65-20-126	84	84	0
Evangeline	294415095165301	LJ-65-22-317	8	8	0
Evangeline	294424095100401	LJ-65-23-221	19	11	-8
Evangeline	294428095384501	LJ-65-19-320	90	90	0
Evangeline	294445095141101	LJ-65-23-104	33	34	1
Evangeline	294452095354501	LJ-65-20-104	83	82	-1
Evangeline	294456095341101	LJ-65-12-820	80	80	0
Evangeline	294500095073401	LJ-65-15-914	29	33	4
Evangeline	294501095343601	LJ-65-12-817	80	80	0
Evangeline	294519095383201	LJ-65-11-918	91	91	0
Evangeline	294527095014912	LJ-65-16-932	25	30	5
Evangeline	294529095371801	LJ-65-12-735	87	88	1
Evangeline	294541095232901	LJ-65-13-944	32	23	-9
Evangeline	294545095223801	LJ-65-13-905	43	39	-4
Evangeline	294548095372801	LJ-65-12-731	87	88	1
Evangeline	294601095225801	LJ-65-13-904	46	39	-7
Evangeline	294619095142701	LJ-65-15-703	36	36	0
Evangeline	294627095375801	LJ-65-11-914	80	77	-3
Evangeline	294645095104401	LJ-65-15-806	34	36	2
Evangeline	294656095382501	LJ-65-11-916	96	94	-2
Evangeline	294702095394001	LJ-65-11-917	98	97	-1
Evangeline	294708095363201	LJ-65-12-720	90	87	-3
Evangeline	294712095401301	LJ-65-11-803	100	101	1

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes—Continued.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Evangeline	294717095401001	LJ-65-11-804	101	102	1
Evangeline	294721095361001	LJ-65-12-719	85	89	4
Evangeline	294722095165901	LJ-65-14-909	44	45	1
Evangeline	294723095370501	LJ-65-12-730	85	94	9
Evangeline	294723095382601	LJ-65-11-920	96	98	2
Evangeline	294724095351401	LJ-65-12-717	94	93	-1
Evangeline	294726095351102	LJ-65-12-726	94	94	0
Evangeline	294728095200102	LJ-65-14-735	49	51	2
Evangeline	294732095103401	LJ-65-15-501	36	39	3
Evangeline	294735095344001	LJ-65-12-521	94	95	1
Evangeline	294747095444701	LJ-65-11-407	128	128	0
Evangeline	294752095242102	LJ-65-13-627	69	70	1
Evangeline	294753095454001	LJ-65-10-611	132	134	2
Evangeline	294800095344101	LJ-65-12-516	95	97	2
Evangeline	294803095105701	LJ-65-15-507	34	39	5
Evangeline	294808095485401	LJ-65-10-516	145	146	1
Evangeline	294815095201701	LJ-65-14-405	50	51	1
Evangeline	294816095242501	LJ-65-13-604	68	70	2
Evangeline	294820095342002	LJ-65-12-517	102	99	-3
Evangeline	294836095241902	LJ-65-13-626	68	70	2
Evangeline	294844095200901	LJ-65-14-404	50	54	4
Evangeline	294844095342401	LJ-65-12-522	104	100	-4
Evangeline	294900095312101	LJ-65-12-619	91	91	0
Evangeline	294901095221001	LJ-65-14-409	66	67	1
Evangeline	294902095133501	LJ-65-15-403	37	39	2
Evangeline	294909095121101	LJ-65-15-514	38	40	2
Evangeline	294909095200301	LJ-65-14-403	55	59	4
Evangeline	294916095314601	LJ-65-12-634	94	95	1
Evangeline	294925095341201	LJ-65-12-520	103	102	-1
Evangeline	294930095125401	LJ-65-15-404	41	42	1
Evangeline	294931095240801	LJ-65-13-601	73	74	1
Evangeline	294949095404801	LJ-65-11-511	117	117	0
Evangeline	294950095313702	LJ-65-12-635	95	95	0
Evangeline	294952095342601	LJ-65-12-519	102	103	1
Evangeline	294959095405501	LJ-65-11-508	119	119	0
Evangeline	295001095240302	LJ-65-13-324	74	74	0
Evangeline	295005095071301	LJ-65-16-114	45	45	0
Evangeline	295019095240801	LJ-65-13-304	73	73	0
Evangeline	295027095312301	LJ-65-12-328	94	94	0
Evangeline	295029095200101	LJ-65-14-103	68	69	1
Evangeline	295048095240801	LJ-65-13-303	75	77	2
Evangeline	295101095140601	LJ-65-15-101	48	47	-1
Evangeline	295111095174301	LJ-65-14-202	51	52	1
Evangeline	295130095241201	LJ-65-13-322	78	83	5
Evangeline	295150095254601	LJ-65-13-214	90	90	0
Evangeline	295155095282401	LJ-65-13-111	86	81	-5
Evangeline	295203095261401	LJ-65-13-224	92	92	0
Evangeline	295216095434001	LJ-65-11-108	141	140	-1
Evangeline	295226095071801	LJ-65-16-110	48	48	0

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes—Continued.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Evangeline	295228095065101	LJ-65-16-109	49	49	0
Evangeline	295229095074101	LJ-65-15-304	47	49	2
Evangeline	295235095414301	LJ-65-03-810	134	135	1
Evangeline	295240095375601	LJ-65-03-915	125	124	-1
Evangeline	295243095383101	LJ-65-03-916	127	128	1
Evangeline	295246095351301	LJ-65-04-723	117	118	1
Evangeline	295247095344701	LJ-65-04-811	114	115	1
Evangeline	295249095364701	LJ-65-04-728	123	124	1
Evangeline	295249095370701	LJ-65-04-729	124	125	1
Evangeline	295251095264501	LJ-65-05-814	93	93	0
Evangeline	295252095300401	LJ-65-04-901	100	100	0
Evangeline	295259095065401	LJ-65-08-708	49	51	2
Evangeline	295301095393901	LJ-65-03-906	130	131	1
Evangeline	295306095270501	LJ-65-05-813	93	92	-1
Evangeline	295323095294501	LJ-65-05-727	98	99	1
Evangeline	295339095383201	LJ-65-03-907	125	127	2
Evangeline	295411095174601	LJ-65-06-804	67	67	0
Evangeline	295449095084102	LJ-65-07-906	55	56	1
Evangeline	295449095084104	LJ-65-07-908	55	56	1
Evangeline	295449095084105	LJ-65-07-909	55	55	0
Evangeline	295529095043501	LJ-65-08-506	48	50	2
Evangeline	295544095462401	LJ-65-02-603	158	158	0
Evangeline	295553095191201	LJ-65-06-528	79	78	-1
Evangeline	295611095240201	LJ-65-05-615	86	85	-1
Evangeline	295614095242201	LJ-65-05-616	90	90	0
Evangeline	295619095171001	LJ-65-06-616	72	72	0
Evangeline	295644095261001	LJ-65-05-517	98	98	0
Evangeline	295703095245101	LJ-65-05-619	92	92	0
Evangeline	295722095372001	LJ-65-04-423	137	138	1
Evangeline	295723095340201	LJ-65-04-522	130	129	-1
Evangeline	295754095324901	LJ-65-04-218	125	126	1
Evangeline	295758095251701	LJ-65-05-216	96	96	0
Evangeline	295831095530801	LJ-65-01-302	220	214	-6
Evangeline	295842095361201	LJ-65-04-109	132	134	2
Evangeline	295850095201301	LJ-65-06-103	92	93	1
Evangeline	295855095204301	LJ-65-06-102	92	94	2
Evangeline	295915095194001	LJ-65-06-202	92	91	-1
Evangeline	295924095450601	LJ-65-02-308	159	158	-1
Evangeline	295932095514701	LJ-65-02-101	214	213	-1
Evangeline	300018095225701	LJ-60-61-914	100	100	0
Evangeline	300037095084802	LJ-60-63-904	62	64	2
Evangeline	300056095335601	LJ-60-60-804	139	140	1
Evangeline	300111095132302	LJ-60-63-714	49	50	1
Evangeline	300122095063601	LJ-60-64-715	79	70	-9
Evangeline	300123095264501	LJ-60-61-826	115	117	2
Evangeline	300133095065101	LJ-60-64-713	69	69	0
Evangeline	300146095241801	LJ-60-61-905	91	90	-1
Evangeline	300146095510402	LJ-60-58-711	221	221	0
Evangeline	300157095292501	LJ-60-61-715	124	125	1

Table 2.1. Wells in Harris County, Texas, by aquifer, showing changes in land-surface altitude because of use of Light Detection and Ranging (LiDAR)-based digital elevation model (DEM) as source of land-surface altitudes—Continued.

Aquifer	U.S. Geological Survey site number	State well number	Previous land-surface altitude from topographic map (feet above NVGD 29 or NAVD 88)	Revised land-surface altitude from LiDAR based DEM (feet above NAVD 88)	Change in land-surface altitude (feet)
Evangeline	300223095142101	LJ-60-63-715	85	88	3
Evangeline	300223095143001	LJ-60-63-712	85	81	-4
Evangeline	300225095144202	LJ-60-63-709	75	81	6
Evangeline	300231095113701	LJ-60-63-508	52	52	0
Evangeline	300248095105301	LJ-60-63-505	53	49	-4
Evangeline	300251095265401	LJ-60-61-528	125	125	0
Evangeline	300301095361301	LJ-60-60-406	160	158	-2
Evangeline	300302095113301	LJ-60-63-511	56	56	0
Evangeline	300308095071401	LJ-60-64-402	62	61	-1
Evangeline	300308095071402	LJ-60-64-403	62	61	-1
Evangeline	300321095060201	LJ-60-64-407	46	51	5
Evangeline	300331095092201	LJ-60-63-603	72	66	-6
Evangeline	300332095054301	LJ-60-64-406	71	71	0
Evangeline	300334095113401	LJ-60-63-504	72	74	2
Evangeline	300342095282201	LJ-60-61-415	126	130	4
Evangeline	300343095090301	LJ-60-63-604	61	62	1
Evangeline	300355095093501	LJ-60-63-602	72	67	-5
Evangeline	300359095122902	LJ-60-63-510	73	69	-4
Evangeline	300403095125402	LJ-60-63-502	70	72	2
Evangeline	300408095115201	LJ-60-63-503	75	75	0
Evangeline	300408095485701	LJ-60-58-501	244	240	-4
Evangeline	300426095123902	LJ-60-63-407	80	79	-1
Evangeline	300507095280201	LJ-60-61-101	135	138	3
Evangeline	300551095330401	LJ-60-60-203	132	132	0
Jasper	295449095084101	LJ-65-07-905	55	56	1
Jasper	295915095311501	LJ-65-04-320	127	124	-3
Jasper	300044095293201	LJ-60-61-727	107	108	1
Jasper	300054095271801	LJ-60-61-841	107	119	12
Jasper	300105095365201	LJ-60-60-798	153	153	0
Jasper	300110095314501	LJ-60-60-999	136	136	0
Jasper	300211095350102	LJ-60-60-409	146	151	5
Jasper	300249095355701	LJ-60-60-407	163	159	-4
Jasper	300556095304102	LJ-60-60-306	142	143	1