

Revisions to Workforce Jobs December 2014

Abstract

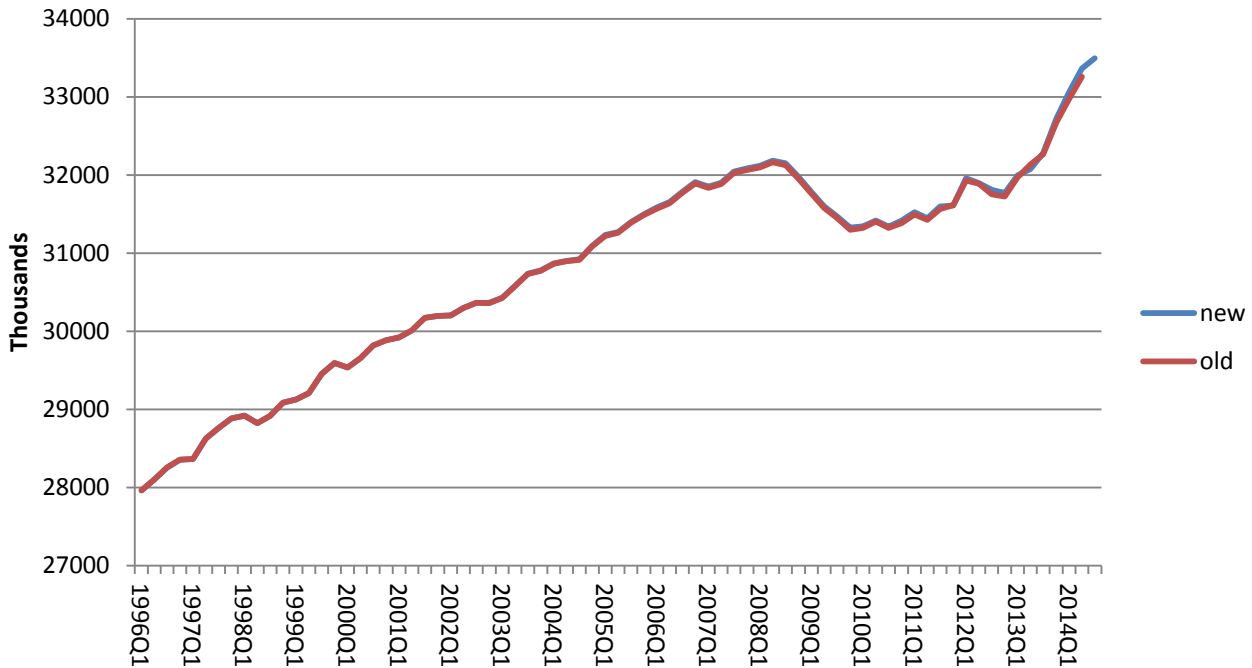
This article explains the improvements and revisions to the Workforce Jobs (WFJ) series, released by the Office for National Statistics (ONS) on 17 December 2014 in the *Labour Market Statistical Bulletin*.

Workforce Jobs is a quarterly measure of the number of jobs in the United Kingdom (UK) and is the preferred measure of the change in jobs by industry. It is a compound source that draws on a range of employer surveys, household surveys and administrative sources. WFJ is the sum of employee jobs (EJ) measured primarily by employer surveys (predominantly the Short-Term Employment Surveys (STES) and the Quarterly Public Sector Employment Survey (QPSES)), self-employment jobs (SEJ) from the Labour Force Survey (LFS), and government-supported trainees (GST) and Her Majesty's Forces (HMF) from administrative sources (see **Annex A**). A variety of outputs by industry, region, gender and full/part-time status are produced for a range of publications and users.

This article explains, in detail, the revisions that have been made to the WFJ series since December 2013 as a result of:

- benchmarking to the latest estimates from the annual Business Register and Employment Survey (BRES); these revisions will go back to 2011,
- changes to seasonal parameters following a seasonal adjustment review,
- revisions of PSE estimates at Q3 2014 which were applied to Workforce Jobs inputs
- all revisions for previous quarters, due to updates in data supplied or late data, have now been included

Figure 1 compares the previously published and revised UK Workforce jobs (seasonally adjusted).

Figure 1 Previously published versus revised UK seasonally adjusted Workforce jobs

Benchmarking GB Employee Jobs to the Business Register Employment Survey

Benchmarking is an annual process to align the quarterly GB EJ series to the latest estimates from the Business Register and Employment Survey (BRES). BRES is based on a sample of approximately 80,000 reporting units¹, a much larger sample than STES, and so generally is considered to produce more accurate and detailed estimates of the level of employment. BRES estimates refer to Q3 of a given year. The private sector element of GB EJ series has been benchmarked to the equivalent from BRES for the periods Q3 2012 and Q3 2013 (the latest period available).

Changes to estimates of Public Sector Employment

Workforce Jobs makes use of ONS's official public sector employment (PSE) estimates for GB. These inputs are not benchmarked as they are the definitive measure of PSE. PSE estimates were revised at Q3 2014 and these revisions have been applied to WFJ inputs. Further information is available in the Q3 2014 PSE Statistical Bulletin. <http://www.ons.gov.uk/ons/rel/pse/public-sector-employment/q3-2014/index.html>

¹ Reporting units hold the mailing address to which survey forms are sent. The form can cover the enterprise as a whole, or parts of the enterprise identified by lists of local units.

Re-weighting of LFS estimates

The Labour Force Survey is used to measure SEJ. It is also the source of EJ estimates for agriculture, and activities of households as employers, and construction up to Q3 2010. The LFS was re-weighted in October 2014 with revised series being produced back to 2001. Revisions have been taken on for all domains.

Late or revised data

The private sector employee jobs data comes from sample surveys. Each quarter revisions to data supplied or late data are incorporated for the previous quarter in line with the revisions policy. Revisions or late data for earlier periods have now been included.

Seasonal Adjustment

Seasonal adjustment is the process of identifying and removing the seasonal components from a series to leave the underlying trend and irregular components. The revised WFJ series have undergone a seasonal adjustment review, by ONS's Time Series Analysis branch, causing revisions back to Q3 1981.

Government Supported trainees (GSTs)

The Department for Business, Innovation and Skills (BIS) and the devolved administrations provide the information for these series and small revisions have been taken on.

Northern Ireland jobs

Employee jobs estimates for Northern Ireland are provided by the Department of Finance and Personnel - Northern Ireland (DFPNI). Small revisions have been taken on.

References

1. 'Public Sector Employment, Q3 2014'

<http://www.ons.gov.uk/ons/rel/pse/public-sector-employment/q3-2014/index.html>

Useful links

Quality and Methodology information report for Workforce Jobs. Available at:
<http://www.ons.gov.uk/guide-method/method-quality/quality/quality-information/labour-market/index.html>

Hess S and Smith, J (2013) 'Revisions to Workforce Jobs – April 2013.' Available at:
<http://www.ons.gov.uk/ons/guide-method/method-quality/specific/labour-market/articles-and-reports/index.html>

Hess S (2013) 'Estimates of sampling variability for Workforce Jobs'. Available at:
<http://www.ons.gov.uk/ons/guide-method/method-quality/specific/labour-market/articles-and-reports/index.html>

Matthews D and Hess S (2012) 'Revision to Workforce Jobs - March 2012'. Available at:
<http://www.ons.gov.uk/ons/guide-method/method-quality/specific/labour-market/articles-and-reports/revisions-to-workforce-jobs-march-2012.pdf>

Barford N (2010) 'Revisions to Workforce Jobs', Economic & Labour Market Review, Vol 4 No 9.
 Available at:
<http://www.ons.gov.uk/ons/rel/wfi/workforce-jobs/revisions-to-workforce-jobs---july-2010/revisions-to-workforce-jobs--july-2010.pdf>

Annex A – Workforce Jobs sources

Component		Source
Employee Jobs		
Great Britain	Private Sector	Short Term Employer Surveys (STES), benchmarked to the Business Register Employment Survey (BRES)
	Public Sector	Public Sector Employment (PSE) from Quarterly Public Sector Employment Surveys (QPSES) and administrative sources from other government departments and devolved administrations
	Agriculture	Labour Force Survey (LFS), benchmarked to BRES
	Construction	Short Term Employer Surveys (STES), benchmarked to the Business Register Employment Survey (BRES)
	Air transport	Civil Aviation Authority (CAA), benchmarked to BRES
Northern Ireland		Department of Finance and Personnel – Northern Ireland (DFPNI)
Self-Employed Jobs		Labour Force Survey (LFS) - main and second jobs by industry by region
Government Supported Trainees		
England		Department for Business, Innovation and Skills (BIS), split by industry using LFS
Wales		Welsh Government (WG), split by industry using LFS
Scotland		Scottish Government (SG), split by industry using LFS
Northern Ireland		Department of Finance and Personnel – Northern Ireland (DFPNI), split by industry using LFS
Her Majesty's Forces		Defence Analytical Services and Advice (DASA)

Annex B – Revision tables, Workforce Jobs by Component

United Kingdom			Thousands and per cent, seasonally adjusted												
Workforce Jobs			Employee jobs			Self-employment jobs			HM Forces			Government-supported trainees			
Revised level	Change	Change	Revised level	Change	Change	Revised level	Change	Change	Revised level	Change	Change	Revised level	Change	Change	
(000s)	(000s)	per cent	(000s)	(000s)	per cent	(000s)	(000s)	per cent	(000s)	(000s)	per cent	(000s)	(000s)	per cent	
Jun-59	25436	0	0	23006	0	0	1835	0	0	595	0	0	0	0	-
Sep-59	25540	0	0	23129	0	0	1834	0	0	577	0	0	0	0	-
Dec-59	25631	0	0	23250	0	0	1820	0	0	560	0	0	0	0	-
Mar-60	25784	0	0	23410	0	0	1824	0	0	550	0	0	0	0	-
Jun-60	25894	0	0	23513	0	0	1840	0	0	541	0	0	0	0	-
Sep-60	25939	0	0	23563	0	0	1839	0	0	536	0	0	0	0	-
Dec-60	26123	0	0	23771	0	0	1827	0	0	526	0	0	0	0	-
Mar-61	26222	0	0	23888	0	0	1827	0	0	507	0	0	0	0	-
Jun-61	26189	0	0	23862	0	0	1832	0	0	495	0	0	0	0	-
Sep-61	26251	0	0	23942	0	0	1824	0	0	485	0	0	0	0	-
Dec-61	26177	0	0	23890	0	0	1812	0	0	475	0	0	0	0	-
Mar-62	26326	0	0	24051	0	0	1809	0	0	466	0	0	0	0	-
Jun-62	26382	0	0	24090	0	0	1830	0	0	462	0	0	0	0	-
Sep-62	26360	0	0	24084	0	0	1821	0	0	456	0	0	0	0	-
Dec-62	26291	0	0	24028	0	0	1810	0	0	453	0	0	0	0	-
Mar-63	26205	0	0	23951	0	0	1803	0	0	451	0	0	0	0	-
Jun-63	26417	0	0	24147	0	0	1824	0	0	446	0	0	0	0	-
Sep-63	26440	0	0	24179	0	0	1818	0	0	443	0	0	0	0	-
Dec-63	26582	0	0	24332	0	0	1807	0	0	442	0	0	0	0	-
Mar-64	26633	0	0	24391	0	0	1799	0	0	443	0	0	0	0	-
Jun-64	26735	0	0	24472	0	0	1819	0	0	443	0	0	0	0	-
Sep-64	26857	0	0	24593	0	0	1822	0	0	442	0	0	0	0	-
Dec-64	26934	0	0	24683	0	0	1807	0	0	444	0	0	0	0	-
Mar-65	26989	0	0	24747	0	0	1799	0	0	443	0	0	0	0	-
Jun-65	27018	0	0	24762	0	0	1814	0	0	442	0	0	0	0	-
Sep-65	27038	0	0	24771	0	0	1826	0	0	440	0	0	0	0	-
Dec-65	27157	0	0	24915	0	0	1803	0	0	439	0	0	0	0	-
Mar-66	27203	0	0	24971	0	0	1795	0	0	437	0	0	0	0	-
Jun-66	27195	0	0	24951	0	0	1808	0	0	436	0	0	0	0	-
Sep-66	27202	0	0	24917	0	0	1850	0	0	435	0	0	0	0	-
Dec-66	26956	0	0	24670	0	0	1848	0	0	438	0	0	0	0	-
Mar-67	26806	0	0	24500	0	0	1868	0	0	438	0	0	0	0	-
Jun-67	26832	0	0	24497	0	0	1899	0	0	436	0	0	0	0	-
Sep-67	26871	0	0	24508	0	0	1931	0	0	432	0	0	0	0	-
Dec-67	26748	0	0	24405	0	0	1913	0	0	431	0	0	0	0	-
Mar-68	26704	0	0	24363	0	0	1915	0	0	425	0	0	0	0	-
Jun-68	26682	0	0	24332	0	0	1932	0	0	418	0	0	0	0	-
Sep-68	26708	0	0	24329	0	0	1966	0	0	413	0	0	0	0	-
Dec-68	26718	0	0	24343	0	0	1967	0	0	408	0	0	0	0	-
Mar-69	26711	0	0	24326	0	0	1983	0	0	401	0	0	0	0	-
Jun-69	26717	0	0	24310	0	0	2010	0	0	397	0	0	0	0	-
Sep-69	26716	0	0	24289	0	0	2033	0	0	394	0	0	0	0	-
Dec-69	26686	0	0	24257	0	0	2036	0	0	393	0	0	0	0	-
Mar-70	26718	0	0	24273	0	0	2055	0	0	391	0	0	0	0	-
Jun-70	26622	0	0	24164	0	0	2069	0	0	389	0	0	0	0	-
Sep-70	26568	0	0	24138	0	0	2043	0	0	387	0	0	0	0	-
Dec-70	26507	0	0	24100	0	0	2019	0	0	388	0	0	0	0	-
Mar-71	26304	0	0	23824	0	0	2094	0	0	386	0	0	0	0	-
Jun-71	26285	0	0	23812	0	0	2088	0	0	385	0	0	0	0	-
Sep-71	26097	0	0	23630	0	0	2082	0	0	385	0	0	0	0	-
Dec-71	26083	0	0	23618	0	0	2077	0	0	389	0	0	0	0	-
Mar-72	26279	0	0	23798	0	0	2093	0	0	388	0	0	0	0	-
Jun-72	26273	0	0	23814	0	0	2071	0	0	388	0	0	0	0	-
Sep-72	26391	0	0	23920	0	0	2078	0	0	392	0	0	0	0	-
Dec-72	26564	0	0	24082	0	0	2092	0	0	389	0	0	0	0	-
Mar-73	26909	0	0	24400	0	0	2125	0	0	384	0	0	0	0	-
Jun-73	26897	0	0	24406	0	0	2114	0	0	377	0	0	0	0	-
Sep-73	26929	0	0	24451	0	0	2104	0	0	374	0	0	0	0	-
Dec-73	26956	0	0	24487	0	0	2099	0	0	370	0	0	0	0	-
Mar-74	26929	0	0	24452	0	0	2112	0	0	365	0	0	0	0	-
Jun-74	26986	0	0	24542	0	0	2084	0	0	361	0	0	0	0	-
Sep-74	27084	0	0	24637	0	0	2084	0	0	363	0	0	0	0	-
Dec-74	27027	0	0	24584	0	0	2085	0	0	359	0	0	0	0	-
Mar-75	26939	0	0	24483	0	0	2103	0	0	353	0	0	0	0	-
Jun-75	26896	0	0	24457	0	0	2088	0	0	351	0	0	0	0	-
Sep-75	26828	0	0	24400	0	0	2073	0	0	355	0	0	0	0	-
Dec-75	26755	0	0	24322	0	0	2079	0	0	354	0	0	0	0	-
Mar-76	26678	0	0	24272	0	0	2054	0	0	352	0	0	0	0	-
Jun-76	26659	0	0	24256	0	0	2052	0	0	351	0	0	0	0	-
Sep-76	26650	0	0	24266	0	0	2030	0	0	353	0	0	0	0	-
Dec-76	26691	0	0	24302	0	0	2039	0	0	349	0	0	0	0	-
Mar-77	26697	0	0	24327	0	0	2026	0	0	345	0	0	0	0	-
Jun-77	26697	0	0	24340	0	0	2015	0	0	342	0	0	0	0	-
Sep-77	26720	0	0	24361	0	0	2017	0	0	343	0	0	0	0	-
Dec-77	26747	0	0	24369	0	0	2039	0	0	339	0	0	0	0	-
Mar-78	26817	0	0	24442	0	0	2040	0	0	336	0	0	0	0	-
Jun-78	26862	0	0	24506	0	0	2023	0	0	332	0	0	0	0	-
Sep-78	26964	0	0	24604	0	0	2026	0	0	335	0	0	0	0	-
Dec-78	27146	0	0	24786	0	0	2028	0	0	331	0	0	0	0	-
Mar-79	27174	0	0	24817	0	0	2028	0	0	329	0	0	0	0	-
Jun-79	27283	0	0	24926	0	0	2029	0	0	328	0	0	0	0	-
Sep-79	27362	0	0	24969	0	0	2060	0	0	333	0	0	0	0	-
Dec-79	27411	0	0	24988	0	0	2090	0	0	333	0	0	0	0	-

Mar-80	27334	0	0	24879	0	0	2120	0	0	336	0	0	0	0	-
Jun-80	27239	0	0	24749	0	0	2152	0	0	338	0	0	0	0	0
Sep-80	26978	0	0	24451	0	0	2180	0	0	347	0	0	0	0	-
Dec-80	26686	0	0	24126	0	0	2210	0	0	349	0	0	0	0	-
Mar-81	26425	0	0	23836	0	0	2240	0	0	349	0	0	0	0	-
Jun-81	26223	0	0	23603	0	0	2271	0	0	349	0	0	0	0	-
Sep-81	26128	0	0	23493	0	0	2285	0	0	350	0	0	0	0	-
Dec-81	25922	0	0	23277	0	0	2298	0	0	347	0	0	0	0	-
Mar-82	25861	0	0	23208	0	0	2311	0	0	343	0	0	0	0	-
Jun-82	25766	0	0	23104	0	0	2324	0	0	339	0	0	0	0	-
Sep-82	25669	0	0	22995	0	0	2337	0	0	338	0	0	0	0	-
Dec-82	25465	0	0	22780	0	0	2350	0	0	336	0	0	0	0	-
Mar-83	25395	0	0	22688	1	0	2363	0	0	336	0	0	9	0	0
Jun-83	25461	0	0	22733	0	0	2376	0	0	337	0	0	16	0	0
Sep-83	25759	0	0	22847	0	0	2449	0	0	340	0	0	123	0	0
Dec-83	25918	0	0	22879	0	0	2523	0	0	340	0	0	176	0	0
Mar-84	26044	0	0	22912	0	0	2597	0	0	341	0	0	194	0	0
Jun-84	26160	0	0	22958	0	0	2670	0	0	341	0	0	191	0	0
Sep-84	26293	0	0	23063	0	0	2695	0	0	343	0	0	192	0	0
Dec-84	26379	0	0	23118	0	0	2720	0	0	342	0	0	199	0	0
Mar-85	26425	0	0	23131	0	0	2745	0	0	341	0	0	208	0	0
Jun-85	26473	0	0	23169	0	0	2772	0	0	341	0	0	191	0	0
Sep-85	26551	0	0	23225	0	0	2780	0	0	340	0	0	206	0	0
Dec-85	26524	0	0	23189	0	0	2789	0	0	338	0	0	209	0	0
Mar-86	26477	0	0	23134	0	0	2797	0	0	337	0	0	209	0	0
Jun-86	26522	0	0	23140	0	0	2807	0	0	336	0	0	239	0	0
Sep-86	26636	0	0	23178	0	0	2858	0	0	337	0	0	262	0	0
Dec-86	26687	0	0	23172	0	0	2909	0	0	335	0	0	271	0	0
Mar-87	26747	0	0	23181	0	0	2960	0	0	334	0	0	272	0	0
Jun-87	27048	0	0	23375	0	0	3018	0	0	333	0	0	321	0	0
Sep-87	27344	0	0	23581	0	0	3067	0	0	334	0	0	363	0	0
Dec-87	27599	0	0	23790	0	0	3115	0	0	332	0	0	362	0	0
Mar-88	27809	0	0	23957	0	0	3164	0	0	331	0	0	358	0	0
Jun-88	28016	0	0	24120	0	0	3216	0	0	330	0	0	350	0	0
Sep-88	28304	0	0	24332	0	0	3290	0	0	329	0	0	352	0	0
Dec-88	28502	0	0	24404	0	0	3365	0	0	327	0	0	405	0	0
Mar-89	28797	0	0	24571	0	0	3439	0	0	326	0	0	461	0	0
Jun-89	28902	0	0	24602	0	0	3511	0	0	322	0	0	467	0	0
Sep-89	29018	0	0	24721	0	0	3521	0	0	322	0	0	454	0	0
Dec-89	29120	0	0	24821	0	0	3530	0	0	320	0	0	448	0	0
Mar-90	29134	0	0	24845	0	0	3540	0	0	320	0	0	430	0	0
Jun-90	29215	0	0	24905	0	0	3554	0	0	317	0	0	438	0	0
Sep-90	29123	0	0	24875	0	0	3516	0	0	317	0	0	415	0	0
Dec-90	28898	-1	-0	24700	0	0	3478	0	0	314	0	0	407	0	0
Mar-91	28581	0	0	24427	0	0	3440	0	0	314	0	0	400	0	0
Jun-91	28300	0	0	24216	0	0	3404	0	0	311	0	0	369	0	0
Sep-91	28141	0	0	24101	0	0	3390	0	0	310	0	0	340	0	0
Dec-91	27987	0	0	23959	0	0	3375	0	0	310	0	0	343	0	0
Mar-92	27974	0	0	23949	0	0	3361	0	0	308	0	0	357	0	0
Jun-92	27818	0	0	23822	0	0	3351	0	0	304	0	0	340	0	0
Sep-92	27422	-1	-0	23480	0	0	3324	0	0	300	0	0	319	0	0
Dec-92	27277	0	0	23392	0	0	3246	0	0	294	0	0	344	0	0
Mar-93	27391	0	0	23408	0	0	3345	0	0	290	0	0	348	0	0
Jun-93	27374	0	0	23440	0	0	3323	0	0	285	0	0	326	0	0
Sep-93	27440	0	0	23519	0	0	3334	0	0	279	0	0	308	0	0
Dec-93	27510	0	0	23529	0	0	3392	0	0	271	0	0	318	0	0
Mar-94	27491	0	0	23494	0	0	3412	0	0	268	0	0	318	0	0
Jun-94	27535	0	0	23535	0	0	3421	0	0	262	0	0	317	0	0
Sep-94	27729	0	0	23728	0	0	3454	0	0	258	0	0	290	0	0
Dec-94	27801	0	0	23781	0	0	3486	0	0	249	0	0	286	0	0
Mar-95	27793	0	0	23798	0	0	3485	0	0	245	0	0	265	0	0
Jun-95	27899	0	0	23921	0	0	3497	0	0	241	0	0	240	0	0
Sep-95	27901	0	0	23939	0	0	3503	0	0	238	0	0	222	0	0
Dec-95	28047	0	0	24112	0	0	3482	0	0	236	0	0	217	0	0
Mar-96	27962	1	0	24071	0	0	3443	1	0.03	234	0	0	214	0	0
Jun-96	28100	-1	-0	24234	0	0	3454	0	0	230	0	0	183	0	0
Sep-96	28254	-1	-0	24347	0	0	3491	-1	-0.03	227	0	0	189	0	0
Dec-96	28355	0	0	24471	0	0	3470	0	0	225	0	0	189	0	0
Mar-97	28363	1	0	24559	0	0	3406	1	0.03	223	0	0	175	0	0
Jun-97	28625	-1	-0	24842	0	0	3404	0	0	220	0	0	160	0	0
Sep-97	28760	0	0	24971	0	0	3395	0	0	223	0	0	171	0	0
Dec-97	28882	-1	-0	25130	0	0	3370	-1	-0.03	220	0	0	162	0	0
Mar-98	28919	1	0	25208	0	0	3338	0	0	219	0	0	153	0	0
Jun-98	28821	0	0	25195	-1	-0	3284	1	0.03	219	0	0	123	0	0
Sep-98	28917	0	0	25306	0	0	3261	0	0	219	0	0	132	0	0
Dec-98	29085	-1	-0	25451	0	0	3290	0	0	219	0	0	126	0	0
Mar-99	29125	1	0	25527	1	0	3256	0	0	218	0	0	124	0	0
Jun-99	29209	0	0	25587	0	0	3280	0	0	218	0	0	124	0	0
Sep-99	29454	0	0	25848	0	0	3257	0	0	218	0	0	131	0	0
Dec-99	29592	-1	-0	25994	0	0	3252	-1	-0.03	217	0	0	128	0	0
Mar-00	29535	-1	-0	25990	0	0	3206	0	0	217	0	0	122	0	0
Jun-00	29654	1	0	26148	0	0	3176	1	0.03	217	0	0	113	0	0
Sep-00	29818	1	0	26297	1	0	3184	0	0	215	0	0	122	0	0
Dec-00	29883	-1	-0	26367	0	0	3183	-1	-0.03	216	0	0	118	0	0
Mar-01	29920	0	0	26412	1	0	3183	0	0	215	0	0	110	0	0
Jun-01	30012	0	0	26505	0	0	3198	-1	-0.03	214	0	0	95	0	0
Sep-01	30172	0	0	26676	0	0	3193	0	0	214	0	0	89	-1	-1.11
Dec-01	30195	1	0	26694	0	0	3197	1	0.03	214	0	0	90	0	0
Mar-02	30203	2	0.01	26707	0	0	3193	2	0.06	215	0	0	88	0	0
Jun-02	30298	2	0.01	26729	0	0	3268	1	0.03	214	0	0	86	0	0
Sep-02	30363	2	0.01	26779	0	0	3298	2	0.06	215	0	0	72	0	0
Dec-02	30363	3	0.01	26790	0	0	3284	2	0.06	216	0	0	73	0	0
Mar-03	30429	5	0.02	26759	0	0	3375	4	0.12	221	0	0	74	1	1.37
Jun-03	30580	4	0.01	26842	0	0	3446	5	0.15	223	0	0	70	0	0
Sep-03	30734	3	0.01	26897	0	0	3537	4	0.11	222	0	0	79	0	0
Dec-03	30777	5	0.02	26964	0	0	3512	4	0.11	221	0	0	79	0	0
Mar-04	30867	5	0.02	27052	0	0	3517	5	0.14	220	0	0	78	0	0
Jun-04	30901	5	0.02	27095	0	0	3515	4	0.11	218	0	0	72	0	0
Sep-04	30919	5	0.02	27148	0	0	3484	6	0.17	216	0	0	71	0	0
Dec-04	31093	9	0.03	27311	0	0	3495	8	0.23	214	0	0	73	0	0
Mar-05	31231	10	0.03	27452	0	0	3495	9	0.26	212	0	0	71	-1	-1.39

Jun-05	31270	9	0.03	27496	0	0	3498	9	0.26	210	0	0	67	0	0
Sep-05	31396	9	0.03	27588	-1	-0	3531	10	0.28	208	0	0	69	0	0
Dec-05	31496	12	0.04	27646	0	0	3576	12	0.34	206	0	0	69	0	0
Mar-06	31583	14	0.04	27705	0	0	3608	14	0.39	205	0	0	64	0	0
Jun-06	31652	13	0.04	27808	0	0	3587	14	0.39	204	0	0	54	0	0
Sep-06	31787	16	0.05	27871	0	0	3659	16	0.44	202	0	0	56	0	0
Dec-06	31907	16	0.05	27957	1	0	3692	15	0.41	202	0	0	56	0	0
Mar-07	31852	19	0.06	27911	0	0	3689	19	0.52	199	0	0	53	0	0
Jun-07	31900	18	0.06	27965	-1	-0	3691	19	0.52	198	0	0	47	0	0
Sep-07	32043	18	0.06	28077	-1	-0	3721	19	0.51	194	0	0	51	0	0
Dec-07	32085	22	0.07	28121	1	0	3716	20	0.54	195	0	0	53	0	0
Mar-08	32116	20	0.06	28156	0	0	3716	21	0.57	194	0	0	51	0	0
Jun-08	32183	21	0.07	28221	-2	-0.01	3719	23	0.62	193	0	0	50	0	0
Sep-08	32148	21	0.07	28213	0	0	3690	22	0.6	194	0	0	52	0	0
Dec-08	31973	23	0.07	27996	-4	-0.01	3729	26	0.7	193	0	0	53	0	0
Mar-09	31781	20	0.06	27791	-5	-0.02	3739	26	0.7	196	0	0	56	0	0
Jun-09	31595	20	0.06	27618	-8	-0.03	3723	27	0.73	197	0	0	57	0	0
Sep-09	31471	22	0.07	27438	-7	-0.03	3777	30	0.8	199	0	0	57	0	0
Dec-09	31327	29	0.09	27308	-4	-0.02	3761	32	0.86	199	0	0	59	0	0
Mar-10	31343	23	0.07	27244	-6	-0.02	3834	28	0.74	199	0	0	66	0	0
Jun-10	31418	16	0.05	27277	-12	-0.04	3880	28	0.73	197	0	0	63	0	0
Sep-10	31340	18	0.06	27210	-7	-0.03	3882	26	0.67	196	0	0	53	0	0
Dec-10	31417	33	0.11	27203	-7	-0.03	3970	40	1.02	195	0	0	50	1	2.04
Mar-11	31524	29	0.09	27342	-7	-0.03	3954	36	0.92	194	0	0	35	0	0
Jun-11	31443	20	0.06	27252	-17	-0.06	3969	39	0.99	193	0	0	30	0	0
Sep-11	31595	30	0.1	27250	-11	-0.04	4133	41	1	191	0	0	21	0	0
Dec-11	31609	-4	-0.01	27315	-47	-0.17	4082	43	1.07	190	0	0	22	0	0
Mar-12	31958	29	0.09	27567	-47	-0.17	4184	76	1.85	187	0	0	20	-1	-4.76
Jun-12	31897	9	0.03	27453	-39	-0.14	4239	49	1.17	186	0	0	19	-2	-9.52
Sep-12	31810	57	0.18	27377	34	0.12	4231	25	0.59	183	0	0	19	-2	-9.52
Dec-12	31768	45	0.14	27409	20	0.07	4160	28	0.68	179	0	0	19	-4	-17.4
Mar-13	31996	27	0.08	27612	35	0.13	4186	-5	-0.12	178	0	0	20	-3	-13
Jun-13	32076	-58	-0.18	27717	-76	-0.27	4165	20	0.48	175	0	0	18	-4	-18.2
Sep-13	32280	17	0.05	27819	-3	-0.01	4268	20	0.47	173	0	0	20	0	0
Dec-13	32721	50	0.15	28078	29	0.1	4455	23	0.52	168	0	0	20	-2	-9.09
Mar-14	33060	87	0.26	28332	76	0.27	4542	14	0.31	167	0	0	20	-2	-9.09
Jun-14	33364	106	0.32	28633	90	0.32	4546	18	0.4	164	0	0	21	-1	-4.55