

AUSTRALIA

The persons whose signature
... Richard Deane Terrell...
study only and that no quotat
available, may be published th
.....

NAME	DATE
Robert M. Robinson	15 -
Benny Lee	3.12
Kateko Tanaka	8/6
T. Good	22 -
Naomi King	13/9

Until 24/3/75
staff and students of the
consent of the author.

APPENDICES C AND D

PROGRAM OUTPUT FOR COSINE FILTER
AND 12 MONTH MOVING AVERAGE FILTER
FOR MODEL I

ESTIMATED SEASONAL ADJUSTMENT USING A MOVING STABLE COMPONENT - LAST 192 OBSERVATIONS

SEASONAL

39.87	3.06	-21.32	-45.43	-30.98	-38.94	-27.44	28.64	8.01	16.24	10.81	57.48
43.13	-0.45	-24.12	-45.79	-35.44	-44.74	-26.92	27.35	4.95	16.72	20.44	64.37
44.77	-7.60	-33.01	-52.58	-42.43	-48.59	-25.55	30.21	6.30	20.53	36.47	71.48
46.71	-14.86	-46.17	-64.49	-50.10	-49.47	-25.05	33.45	9.26	24.91	56.77	79.02
46.48	-23.07	-64.02	-81.91	-56.90	-44.42	-21.35	40.62	15.94	30.59	73.26	84.81
41.89	-30.63	-87.32	-104.75	-62.30	-33.58	-12.13	53.75	26.73	36.53	85.25	86.58
36.66	-33.95	-111.14	-129.36	-65.96	-20.74	-0.27	70.83	39.65	41.52	93.07	85.70
30.37	-43.27	-131.72	-150.96	-66.28	-7.39	12.71	88.39	51.38	43.66	95.60	83.50
22.87	-57.75	-148.88	-170.01	-65.74	2.74	24.30	106.42	64.07	46.29	96.04	80.06
17.34	-65.60	-161.37	-184.85	-67.26	7.54	32.91	122.11	75.38	48.97	97.05	79.33
15.96	-74.24	-171.37	-195.30	-67.40	6.98	36.60	133.96	84.10	51.83	95.52	79.35
12.35	-85.17	-182.53	-201.72	-62.16	8.17	41.66	145.87	91.52	52.36	101.10	78.55
7.20	-98.97	-193.92	-203.81	-53.31	12.28	48.30	155.47	96.81	52.85	101.24	75.86
-0.74	-113.11	-208.12	-203.15	-43.72	22.33	56.15	164.90	100.22	48.55	99.67	71.72
-12.56	-130.57	-225.70	-203.09	-29.74	37.80	76.74	176.27	102.95	44.64	97.53	65.73
-27.90	-146.44	-241.92	-201.97	-14.22	56.12	94.52	189.30	105.27	38.01	92.79	56.43

RESIDUALS

-7.01	-1.50	25.00	57.14	8.84	-16.69	-24.77	-65.70	-43.35	-24.79	6.77	-11.21
-17.18	29.23	60.41	79.67	59.15	69.51	76.58	24.87	36.56	15.40	9.73	-49.69
-40.04	-22.14	-10.92	-8.50	-23.17	-4.26	-18.57	-44.81	-22.50	-24.50	-0.68	-30.59
-20.72	-1.45	10.73	22.43	24.27	23.63	-5.15	-26.26	6.80	6.26	0.42	-28.51
-16.63	0.58	26.05	38.89	47.63	63.16	45.52	7.81	9.75	1.52	-26.63	-53.13
-26.87	51.82	29.52	53.63	39.13	41.51	20.38	-21.60	-8.13	-29.34	-60.94	-74.05
-36.68	16.77	62.28	65.31	39.10	25.63	17.33	-38.63	-32.70	-50.82	-87.30	-77.23
-46.27	-1.43	59.26	75.06	56.72	46.58	40.56	-8.60	9.86	-9.43	-57.42	-52.75
-16.96	44.50	95.58	93.55	31.90	-16.05	-36.99	-81.33	-49.98	-45.55	-73.19	-63.58
-28.51	13.94	97.49	95.16	29.95	-14.34	-33.82	-56.30	-17.22	18.33	-5.31	-1.00
-44.58	91.96	137.45	134.97	30.03	-43.26	-38.14	-91.57	-70.98	-53.74	-82.38	-77.44
-28.53	30.36	96.95	123.12	50.07	-0.34	-24.73	-77.87	-52.31	-37.21	-83.62	-69.57
-16.58	60.38	134.89	151.38	67.29	12.50	-8.92	-106.70	-59.01	-52.99	-83.24	-60.82
-8.13	37.58	117.41	138.26	27.04	-6.42	-30.77	-115.65	-74.43	-35.79	-83.00	-41.62
-14.20	44.49	92.77	103.33	36.90	20.27	-1.58	-77.88	-40.95	-22.03	-72.63	-64.37
-4.73	90.09	143.25	143.35	34.31	-25.99	-61.36	-120.66	-95.29	-49.89	-78.10	-51.99

SEASONALLY ADJUSTED SERIES

1180.73	1209.74	1257.52	1303.63	1279.18	1279.74	1293.34	1285.26	1337.59	1386.16	1448.19	1461.92
1438.17	1564.85	1622.32	1662.39	1656.24	1674.04	1682.72	1627.55	1630.15	1595.48	1573.86	1498.13
1482.13	1493.40	1491.71	1484.38	1465.03	1484.69	1475.15	1456.19	1487.90	1498.47	1530.83	1528.02
1557.69	1597.96	1633.17	1669.53	1696.40	1720.17	1715.45	1716.05	1774.64	1797.39	1814.73	1809.88
1846.24	1886.67	1935.22	1961.81	1984.70	2011.62	2003.05	1974.78	1983.66	1978.21	1951.34	1924.29
1948.41	2023.23	1996.02	2013.85	1991.70	1986.08	1956.93	1905.75	1911.07	1883.17	1844.65	1825.52
1858.04	1907.55	1949.14	1948.46	1919.36	1904.84	1897.07	1842.17	1850.45	1836.98	1808.43	1829.70
1873.73	1933.07	2009.72	2041.66	2038.38	2041.69	2047.49	2009.31	2037.02	2023.74	1978.40	1982.30
2014.63	2071.75	2118.68	2113.21	2049.84	2001.86	1982.20	1940.18	1975.73	1987.41	1970.06	1992.94
2043.86	2111.40	2200.93	2232.65	2192.76	2173.36	2178.19	2178.69	2237.52	2288.93	2272.55	2288.57
2334.74	2331.94	2422.67	2411.30	2294.90	2209.12	2201.40	2135.64	2145.70	2155.67	2125.18	2132.44
2195.45	2249.77	2324.23	2353.92	2296.96	2257.43	2245.14	2205.32	2245.48	2275.74	2244.49	2273.55
2341.00	2430.87	2516.32	2544.31	2470.81	2427.12	2416.50	2327.53	2382.75	2397.75	2377.06	2409.64
2474.34	2533.01	2626.67	2662.75	2562.52	2555.37	2549.75	2483.90	2544.48	2602.65	2609.63	2646.93
2702.76	2790.67	2868.40	2907.39	2867.34	2875.40	2878.36	2828.53	2892.75	2938.56	2913.27	2943.57
3022.80	3137.04	3209.02	3227.37	3138.22	3099.58	3088.23	3053.70	3102.83	3171.89	3168.61	3222.07

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Patricia Robinson	15
Beverly Lee	3/12
Kate's Zambler	8/61
T. Good	22/7
Naomi King	13/9

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LAG	ORIGINAL	FILTERED	RESIDUAL	ADJUSTED
0	2.147199	2.989737	7.017281	2.135606
1	2.892811	3.576831	1.196787	5.872595
2	3.403594	4.474172	2.683396	8.467588
3	3.589881	4.954121	4.027212	1.636137
4	3.351320	4.326970	4.179778	5.731527
5	2.079958	4.096265	4.147703	2.339890
6	1.422212	4.520181	1.413465	3.099263
7	2.110778	6.551767	4.841805	6.842070
8	2.485524	2.311453	7.371055	7.734980
9	1.604181	1.758670	5.410918	4.398574
10	5.733805	7.912527	1.662583	1.122653
11	1.558004	1.809479	2.498847	1.601616
12	6.380045	7.083791	1.164092	8.397873
13	6.426088	5.507286	1.091067	9.655389
14	1.520349	1.278800	3.056187	3.575549
15	1.651577	3.002766	9.081443	1.026815
16	3.355934	4.066566	1.337166	1.360394
17	3.525333	2.815745	9.126255	8.388630
18	2.878983	9.709331	2.704626	2.314931
19	3.674615	2.272910	3.758498	3.670792
20	1.545897	1.206934	1.314277	1.538711
21	1.512241	1.226221	1.224356	1.426210
22	2.347601	1.950946	3.409554	4.088281
23	4.525205	4.156528	1.027545	1.180342
24	6.171016	6.225111	1.610554	1.711919
25	4.627393	5.262219	1.226029	1.201858
26	2.446149	8.831209	4.881099	4.311057
27	1.472050	1.763496	1.605585	1.335031
28	1.344325	1.536896	1.190040	1.125637
29	1.448536	1.625209	1.804765	1.758141
30	2.816133	2.891867	7.124500	7.377966
31	6.507425	6.314076	2.217496	2.267258
32	9.084295	8.778543	3.252561	3.212961
33	6.983586	6.673784	2.219858	2.120126
34	3.494814	3.143321	6.727379	6.294394
35	1.776599	1.498498	1.253684	1.207858
36	1.145549	6.419953	6.955393	6.764743
37	9.600822	7.775741	6.781870	6.882983
38	1.165347	1.020584	1.669824	1.636517
39	1.713266	1.888572	4.137236	3.652527
40	1.966324	1.584678	5.462399	5.136404
41	1.489308	1.438994	3.565079	3.300723
42	1.096705	1.070573	1.362687	1.270514
43	1.097239	1.059097	7.483307	7.456064
44	1.029430	1.011119	6.355143	6.587694
45	8.991178	8.955661	6.246361	5.775702
46	8.328816	7.282550	5.902285	6.212967
47	7.497356	7.528326	7.131012	8.811811
48	6.957163	7.283319	8.475196	1.082900

SUMMARY OF SEASONAL ADJUSTMENT USING A STABLE COMPONENT - LAST 240 OBSERVATIONS

SEASONAL											
17.46	-62.07	-130.48	-136.86	-43.72	-2.36	22.89	101.41	56.03	35.65	72.09	69.96
TOTAL VARIANCE						299.82					

RESIDUALS											
-14.07	61.14	118.82	120.85	37.40	-1.99	-32.28	-96.87	-53.79	-34.62	-67.16	-58.76
-6.10	70.69	135.16	126.72	37.83	3.32	-24.30	-81.17	-40.31	-23.15	-123.13	-45.99
-2.76	57.88	118.57	112.39	36.58	-9.68	-23.91	-87.18	-49.81	-29.78	-60.25	-58.06
-13.41	52.11	105.96	111.04	29.85	-25.28	-32.53	-89.82	-71.83	-40.95	-61.30	-50.36
-15.41	63.62	142.16	148.58	21.58	-53.27	-75.10	-138.47	-91.37	-44.21	-54.51	-23.69
8.49	63.62	166.77	170.75	67.43	27.13	-26.77	-48.69	-14.52	-3.65	-41.92	-55.28
-21.73	32.22	86.55	75.79	-21.88	-50.49	-67.01	-116.02	-72.23	-4.41	-14.90	-19.45
8.53	45.75	95.04	94.81	17.89	-23.48	-53.09	-96.22	-39.96	-1.41	-25.47	-38.29
12.37	39.57	95.57	93.85	34.45	21.10	1.28	-52.99	-30.34	3.54	-47.78	-57.44
-2.43	83.25	72.57	85.74	20.56	10.28	-14.63	-69.27	-37.43	-28.46	-66.32	-61.49
-17.48	38.88	81.62	72.81	16.87	7.24	-5.83	-69.22	-49.08	-44.95	-33.92	-39.21
-33.35	11.36	58.02	60.97	34.17	41.55	30.38	-21.63	5.21	-1.43	-49.24	-53.49
-11.55	48.81	77.18	60.40	8.59	-10.95	-34.98	-76.32	-41.94	-34.91	-53.37	-59.37
-28.63	16.40	56.05	47.13	6.41	-4.45	-23.80	-35.60	-2.13	31.65	-54.55	-68.05
-43.08	79.78	96.56	76.53	6.53	-33.92	-24.43	-59.02	-42.91	-37.56	-54.60	-60.98
-33.84	7.25	44.90	58.26	30.70	10.19	-5.96	-33.41	-16.82	-16.49	-54.10	-54.92
-26.84	25.48	71.46	84.44	55.70	27.13	16.49	-52.64	-18.23	-35.80	-25.12	-39.86
-26.32	-13.46	39.77	71.93	27.04	18.27	6.49	-52.17	-30.23	-21.89	-47.20	-68.60
-44.22	-24.02	-2.46	37.11	50.88	60.42	52.27	-3.02	5.97	-13.04	-57.41	-65.52
-50.09	5.72	31.86	78.25	63.82	32.49	10.27	-32.77	-46.04	-47.54		

SEASONALLY ADJUSTED SERIES											
589.54	677.36	747.58	762.36	691.32	665.66	649.11	598.99	656.87	690.25	671.01	692.24
757.64	856.17	923.98	927.06	846.22	819.36	801.21	752.39	799.87	823.65	815.64	815.64
866.64	935.36	1003.88	1005.76	941.32	906.46	900.81	846.69	893.47	923.95	903.71	916.24
972.14	1049.47	1115.78	1134.76	1067.42	1028.56	1039.41	1000.89	1038.47	1090.65	1090.51	1119.74
1203.14	1268.86	1366.68	1395.06	1291.92	1243.16	1248.01	1212.49	1289.57	1366.75	1386.91	1449.44
1513.84	1626.47	1728.68	1753.46	1664.52	1631.66	1632.91	1553.99	1579.07	1576.53	1522.21	1529.54
1509.44	1547.86	1589.18	1556.68	1466.32	1438.46	1426.71	1384.99	1433.17	1483.35	1503.21	1529.54
1586.94	1645.17	1717.46	1741.95	1690.02	1673.06	1667.51	1648.09	1727.87	1786.65	1798.41	1818.94
1875.24	1925.67	2001.68	2016.76	1971.52	1969.56	1959.81	1913.99	1943.57	1973.15	1952.51	1939.14
1972.84	2054.67	2039.18	2049.98	1973.12	1954.86	1921.91	1858.09	1881.77	1884.05	1857.81	1842.14
1877.24	1929.67	1968.48	1953.98	1897.12	1886.46	1873.91	1811.59	1834.07	1842.85	1829.41	1845.44
1886.64	1945.86	2008.48	2027.56	2015.88	2036.66	2037.31	1996.29	2032.37	2031.75	2001.91	2003.04
2020.04	2076.07	2100.28	2080.05	2026.38	2006.96	1984.21	1945.19	1983.77	1998.05	1994.01	2003.04
2043.74	2107.86	2169.48	2184.66	2169.22	2133.26	2145.21	2199.39	2256.87	2202.25	2257.51	2296.94
2333.34	2369.77	2381.78	2352.56	2271.52	2218.46	2215.11	2168.19	2173.77	2172.15	2152.61	2141.84
2180.34	2226.67	2272.18	2295.06	2277.52	2267.76	2263.91	2249.79	2280.97	2293.45	2273.51	2281.64
2330.74	2335.57	2453.38	2477.36	2459.52	2441.76	2441.91	2381.59	2423.57	2414.55	2406.21	2415.74
2456.14	2481.97	2554.98	2596.45	2559.52	2580.06	2583.01	2547.39	2588.67	2616.55	2636.51	2643.74
2672.74	2722.17	2773.18	2841.16	2781.32	2715.56	2733.81	2703.39	2739.67	2747.55	2738.71	2739.34
2977.44	3052.67	3097.58	3162.26	3167.72	3158.06	3159.91	3141.59	3152.07	3174.25	3189.31	3208.54

AUSTR

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... Richard Peane, Jerry P.
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NAME

Robert Robinson
Beverly Lee
Kate's Jambler
T. Good
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Until 2/4/75
staff and students o
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SEASONAL

29.31	8.47	-18.23	-47.20	-25.36	-26.10	-23.82	28.78	13.49	15.05	-0.85	48.46
33.58	9.27	-18.15	-47.41	-27.76	-30.52	-24.39	33.63	14.34	15.65	-10.05	57.91
39.72	2.25	-23.52	-49.25	-30.36	-41.15	-33.48	32.03	7.86	17.81	16.23	63.22
44.05	-2.70	-26.73	-45.95	-36.27	-54.12	-38.72	28.14	-2.96	15.12	35.56	72.48
52.72	-3.15	-21.75	-38.84	-42.95	-61.72	-35.35	17.83	-6.10	16.52	52.12	80.74
45.57	-9.81	-34.12	-52.71	-49.53	-48.72	-17.33	38.79	16.16	31.38	73.60	82.93
41.80	-27.35	-68.10	-90.90	-69.22	-49.32	-24.58	44.23	23.24	38.58	95.57	96.30
49.42	-34.48	-93.77	-115.77	-68.52	-35.14	-17.86	58.58	35.94	47.11	104.48	94.41
42.78	-43.58	-120.54	-141.14	-67.91	-11.96	6.37	83.91	47.30	46.94	100.29	82.79
29.89	-40.41	-143.76	-161.23	-68.63	3.23	23.38	102.81	39.92	42.68	53.57	74.83
19.41	-57.41	-154.51	-179.13	-66.36	14.86	40.59	122.85	72.68	42.16	85.55	73.10
10.37	-75.09	-171.03	-198.03	-65.99	20.25	48.70	142.19	91.36	52.58	97.41	78.07
11.90	-75.39	-176.29	-207.93	-71.39	5.79	34.60	143.23	93.37	56.87	106.15	83.66
15.14	-83.60	-184.87	-213.59	-73.68	-3.07	30.79	152.20	98.67	64.83	114.75	88.97
23.00	-83.64	-187.12	-206.13	-63.87	26.42	63.25	179.28	105.91	50.63	98.76	71.30
1.33	-113.49	-213.11	-207.35	-38.12	-4.08	41.21	157.63	95.17	44.58	81.89	60.24
-15.35	-134.56	-227.78	-201.76	-13.04	30.35	92.02	184.08	108.44	36.23	91.08	57.71
-27.79	-159.74	-252.80	-204.64	-9.82	67.16	109.39	197.20	108.26	35.19	86.61	55.00
-43.98	-171.69	-276.21	-214.02	3.08	87.46	126.10	216.63	110.67	28.53	67.39	40.34
-53.59	-163.82	-269.83	-202.22	11.76	85.52	120.27	218.77	97.12	14.78	83.04	35.93

RESIDUALS

-25.92	-9.40	6.56	31.19	19.03	21.76	19.42	-24.24	-11.25	-14.02	5.82	-37.27
-22.22	8.05	22.32	37.27	21.86	31.48	22.98	-13.39	1.37	-6.15	-40.99	-33.94
-25.03	-6.44	11.60	24.77	23.22	29.11	22.46	-18.70	-1.65	-11.94	-4.38	-51.32
-39.60	-7.76	2.21	21.04	22.39	26.49	19.07	-16.55	-12.85	-20.43	-24.76	-52.88
-19.85	4.71	33.43	50.55	20.81	6.09	-16.86	-54.89	-25.24	-25.08	-34.54	-33.97
-19.62	38.59	70.41	86.63	73.23	73.49	65.99	-13.93	25.35	0.74	-43.42	-64.24
-46.07	-2.40	24.18	29.83	3.62	-3.53	-19.54	-58.83	-39.44	-42.55	-59.78	-55.40
-23.43	18.17	58.33	73.72	42.69	9.31	-12.34	-53.39	-19.87	-15.93	-47.28	-43.90
-12.94	21.09	85.58	98.12	58.64	30.70	17.80	-35.49	-21.61	-14.84	-53.67	-51.12
-14.87	61.60	85.96	110.11	45.47	4.70	-15.13	-70.66	-41.32	-35.49	-65.26	-62.30
-19.84	34.23	105.65	115.07	39.50	-9.97	-23.63	-90.66	-65.73	-51.46	-83.78	-64.63
-26.27	24.39	58.57	122.19	56.43	13.94	4.57	-62.41	-30.12	-18.36	-55.24	-47.32
-5.93	62.64	122.99	131.52	37.05	-19.09	-46.70	-118.14	-79.28	-55.93	-83.30	-67.18
-26.32	37.93	110.44	123.90	35.97	-3.74	-31.70	-86.38	-40.51	-2.48	-27.00	-3.64
37.54	101.36	153.20	145.79	26.50	-32.20	-42.75	-115.24	-82.05	-52.54	-81.62	-69.39
-17.52	58.63	127.53	128.75	25.03	-18.59	-51.32	-111.27	-66.71	-28.42	-74.40	-51.26
5.97	97.97	168.96	149.33	30.02	-25.57	-52.64	-135.31	-70.64	-36.43	-73.08	-42.67
18.92	84.21	162.09	139.75	-6.86	-53.25	-80.01	-147.96	-82.47	-21.43	-49.64	-24.90
17.22	85.61	143.27	114.26	4.08	-29.40	-50.95	-118.24	-48.67	-5.92	-62.50	-38.98
21.06	107.47	171.21	143.60	8.33	-55.39	-87.11	-150.13	-87.13	-26.67	-68.36	-31.49

SEASONALLY ADJUSTED SERIES

577.69	606.83	635.33	672.70	673.46	689.40	700.82	671.62	699.41	710.85	743.99	713.74
741.52	734.53	811.65	837.61	830.26	847.52	848.69	820.17	841.56	840.64	813.05	827.69
844.38	871.05	896.92	918.15	927.96	945.25	947.18	915.17	941.64	941.39	959.57	922.97
945.55	989.60	1012.03	1043.86	1059.97	1030.32	1091.02	1074.16	1097.46	1111.18	1127.04	1117.22
1167.88	1209.95	1257.94	1297.04	1291.15	1302.52	1306.25	1296.07	1351.70	1385.88	1406.88	1439.16
1485.73	1574.21	1632.32	1669.31	1670.33	1678.02	1673.13	1616.61	1618.94	1580.82	1520.70	1479.57
1554.98	1617.38	1626.80	1522.70	1491.82	1485.42	1474.18	1442.17	1470.96	1480.42	1475.73	1503.20
1849.92	1907.13	1951.74	1720.87	1714.82	1705.84	1703.23	1690.92	1747.96	1775.19	1767.02	1794.49
1960.41	2033.01	2052.46	2021.04	1995.71	1979.16	1975.32	1931.49	1952.30	1961.85	1924.30	1926.31
1875.28	1925.01	1992.51	2070.33	1998.03	1949.27	1921.42	1856.69	1877.88	1877.02	1836.33	1837.27
1893.73	1958.83	2049.03	1898.23	1919.76	1869.24	1856.11	1790.15	1817.42	1836.34	1811.55	1842.30
2025.60	2089.89	2146.09	2021.13	2054.99	1998.81	1972.50	1903.36	1946.43	2014.82	1976.56	1987.73
2046.06	2129.40	2223.87	2151.13	2054.99	1998.81	1972.50	1903.36	1946.43	2014.82	1976.56	1987.73
2327.70	2391.34	2438.42	2251.33	2133.78	2183.97	2180.31	2148.60	2214.23	2273.07	2254.85	2277.93
2196.47	2278.09	2354.81	2365.55	2291.37	2220.18	2196.79	2111.92	2134.63	2157.17	2125.94	2140.50
2361.55	2468.46	2550.88	2547.26	2433.54	2389.05	2372.78	2298.92	2371.16	2414.32	2387.22	2427.99
2501.39	2579.64	2671.30	2664.24	2535.62	2508.54	2500.51	2451.60	2536.44	2617.01	2611.55	2663.70
2724.18	2831.79	2919.91	2918.32	2834.52	2825.74	2821.00	2788.17	2885.03	2954.67	2923.41	2968.96
3048.59	3154.42	3236.93	3227.62	3112.24	3070.18	3062.53	3024.23	3110.98	3195.12	3178.36	3242.57

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NAME

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Sunny Lee
Katie Jumbler
T. Good
Narmin King

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staff and students
consent of the aut

146256

146257

-0.06	-0.06	-0.07	-0.05	-0.12	0.13	0.18	0.22	0.26	0.31	0.34	0.40	0.42
0.01	0.03	0.05	0.07	0.12	0.13	0.18	0.22	0.26	0.31	0.34	0.40	0.42
0.46	0.50	0.53	0.54	0.54	0.61	0.60	0.67	0.66	0.68	0.71	0.73	0.71
0.73	0.74	0.75	0.73	0.73	0.76	0.77	0.77	0.80	0.81	0.82	0.85	0.83
0.84	0.84	0.86	0.84	0.84	0.87	0.89	0.90	0.92	0.95	0.97	1.02	1.03
1.05	1.08	1.09	1.09	1.03	1.05	1.04	1.02	1.00	1.00	0.98	0.97	0.94
0.91	0.88	0.87	0.80	0.80	0.82	0.81	0.79	0.77	0.77	0.76	0.74	0.71
0.70	0.68	0.68	0.63	0.63	0.65	0.67	0.65	0.66	0.67	0.65	0.65	0.62
0.58	0.58	0.58	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.56	0.56	0.55
0.57	0.55	0.54	0.51	0.51	0.53	0.53	0.53	0.55	0.56	0.57	0.57	0.58
0.57	0.57	0.58	0.54	0.54	0.57	0.57	0.58	0.59	0.61	0.61	0.62	0.61
0.61	0.63	0.63	0.60	0.60	0.63	0.67	0.69	0.73	0.77	0.79	0.81	0.81
0.81	0.83	0.87	0.82	0.82	0.85	0.87	0.88	0.88	0.92	0.92	0.95	0.92
0.91	0.90	0.95	0.94	0.94	0.97	0.91	0.91	0.91	0.97	0.96	0.98	0.97
0.96	0.96	0.99	0.91	0.91	0.90	0.93	0.93	0.93	0.96	0.99	1.00	1.00

146252

SEASONAL ANALYSIS FOR FREQUENCY 6*PI/6 N 249 B 0.96 M 60

EVOLVING SEASONAL FACTORS

-1.11	1.34	-1.36	1.36	-1.38	1.40	-1.43	1.44	-1.45	1.47	-1.49	1.51
-1.11	1.56	-1.56	1.58	-1.62	1.64	-1.67	1.70	-1.70	1.73	-1.74	1.67
-1.11	1.48	-1.40	1.31	-1.27	1.21	-1.17	1.14	-1.08	1.04	-0.99	0.96
-1.11	0.87	-0.84	0.78	-0.76	0.72	-0.73	0.72	-0.69	0.64	-0.60	0.58
-1.11	0.52	-0.52	0.54	-0.49	0.46	-0.52	0.49	-0.53	0.51	-0.51	0.53
-1.11	0.47	-0.41	0.42	-0.37	0.36	-0.31	0.34	-0.29	0.31	-0.27	0.28
-1.11	0.25	-0.29	0.25	-0.29	0.26	-0.30	0.27	-0.26	0.23	-0.20	0.24
-1.11	0.21	-0.25	0.23	-0.28	0.29	-0.34	0.34	-0.33	0.35	-0.32	0.38
-1.11	0.39	-0.46	0.47	-0.56	0.62	-0.66	0.74	-0.74	0.79	-0.78	0.85
-1.11	0.92	-0.94	0.85	-0.86	0.83	-0.78	0.75	-0.67	0.62	-0.56	0.58
-1.11	0.47	-0.47	0.33	-0.42	0.40	-0.38	0.39	-0.34	0.31	-0.29	0.28
-1.11	0.21	-0.24	0.16	-0.20	0.23	-0.19	0.24	-0.16	0.18	-0.15	0.18
-1.11	0.14	-0.15	0.07	-0.12	0.11	-0.12	0.12	-0.07	0.04	-0.02	0.03
-1.11	0.02	-0.02	0.05	-0.01	0.02	-0.03	0.05	-0.05	0.05	-0.04	0.15
-1.11	0.21	-0.23	0.23	-0.30	0.34	-0.34	0.33	-0.38	0.38	-0.42	0.45
-1.11	0.47	-0.46	0.46	-0.51	0.50	-0.50	0.47	-0.56	0.58	-0.58	0.65
-1.11	0.68	-0.74	0.73	-0.83	0.83	-0.82	0.85	-0.87	0.86	-0.86	0.81
-1.11	0.80	-0.81	0.89	-0.73	0.64	-0.60	0.58	-0.51	0.53	-0.50	0.50
-1.11	0.39	-0.41	0.28	-0.37	0.30	-0.22	0.24	-0.19	0.19	-0.14	0.13
-1.11	0.03	-0.03	0.06	-0.02	0.06	-0.06	0.12	-0.07	0.03	-0.01	0.02

STABLE SEASONAL FACTORS

-0.32	0.32	-0.32	0.32	-0.32	0.32	-0.32	0.32	-0.32	0.32	-0.32	0.32
VARIANCE OF STABLE PATTERN							0.39				

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

-1.17	1.17	-1.17	1.17	-1.17	1.17	-1.17	1.17	-1.17	1.17	-1.17	1.17
-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00
-0.75	0.75	-0.75	0.75	-0.75	0.75	-0.75	0.75	-0.75	0.75	-0.75	0.75
-0.48	0.48	-0.48	0.48	-0.48	0.48	-0.48	0.48	-0.48	0.48	-0.48	0.48
-0.37	0.37	-0.37	0.37	-0.37	0.37	-0.37	0.37	-0.37	0.37	-0.37	0.37
-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44
-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44
-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44	-0.44	0.44
-0.43	0.43	-0.43	0.43	-0.43	0.43	-0.43	0.43	-0.43	0.43	-0.43	0.43
-0.36	0.36	-0.36	0.36	-0.36	0.36	-0.36	0.36	-0.36	0.36	-0.36	0.36
-0.14	0.14	-0.14	0.14	-0.14	0.14	-0.14	0.14	-0.14	0.14	-0.14	0.14
-0.05	0.05	-0.05	0.05	-0.05	0.05	-0.05	0.05	-0.05	0.05	-0.05	0.05
-0.24	0.24	-0.24	0.24	-0.24	0.24	-0.24	0.24	-0.24	0.24	-0.24	0.24
-0.43	0.43	-0.43	0.43	-0.43	0.43	-0.43	0.43	-0.43	0.43	-0.43	0.43
-0.51	0.51	-0.51	0.51	-0.51	0.51	-0.51	0.51	-0.51	0.51	-0.51	0.51
-0.47	0.47	-0.47	0.47	-0.47	0.47	-0.47	0.47	-0.47	0.47	-0.47	0.47

ALPHA COEFFICIENTS

-1.11	1.36	-1.36	1.38	-1.40	1.43	-1.44	1.45	-1.47	1.47	-1.49	1.51
-1.11	1.56	-1.56	1.62	-1.64	1.67	-1.70	1.70	-1.73	1.73	-1.74	1.67
-1.11	1.48	-1.40	1.31	-1.27	1.21	-1.17	1.14	-1.08	1.04	-0.99	0.96
-1.11	0.87	-0.84	0.78	-0.76	0.72	-0.73	0.72	-0.69	0.64	-0.60	0.58
-1.11	0.52	-0.52	0.54	-0.49	0.46	-0.52	0.49	-0.53	0.51	-0.51	0.53
-1.11	0.47	-0.41	0.42	-0.37	0.36	-0.31	0.34	-0.29	0.31	-0.27	0.28
-1.11	0.25	-0.29	0.25	-0.29	0.26	-0.30	0.27	-0.26	0.23	-0.20	0.24
-1.11	0.21	-0.25	0.23	-0.28	0.29	-0.34	0.34	-0.33	0.35	-0.32	0.38
-1.11	0.39	-0.46	0.47	-0.56	0.62	-0.66	0.74	-0.74	0.79	-0.78	0.85
-1.11	0.92	-0.94	0.85	-0.86	0.83	-0.78	0.75	-0.67	0.62	-0.56	0.58
-1.11	0.47	-0.47	0.33	-0.42	0.40	-0.38	0.39	-0.34	0.31	-0.29	0.28
-1.11	0.21	-0.24	0.16	-0.20	0.23	-0.19	0.24	-0.16	0.18	-0.15	0.18
-1.11	0.14	-0.15	0.07	-0.12	0.11	-0.12	0.12	-0.07	0.04	-0.02	0.03
-1.11	0.02	-0.02	0.05	-0.01	0.02	-0.03	0.05	-0.05	0.05	-0.04	0.15
-1.11	0.21	-0.23	0.23	-0.30	0.34	-0.34	0.33	-0.38	0.38	-0.42	0.45
-1.11	0.47	-0.46	0.46	-0.51	0.50	-0.50	0.47	-0.56	0.58	-0.58	0.65
-1.11	0.68	-0.74	0.73	-0.83	0.83	-0.82	0.85	-0.87	0.86	-0.86	0.81
-1.11	0.80	-0.81	0.89	-0.73	0.64	-0.60	0.58	-0.51	0.53	-0.50	0.50
-1.11	0.39	-0.41	0.28	-0.37	0.30	-0.22	0.24	-0.19	0.19	-0.14	0.13
-1.11	0.03	-0.03	0.06	-0.02	0.06	-0.06	0.12	-0.07	0.03	-0.01	0.02

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Berry Lee
Kate Zumber
T. Good
Aracini King

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-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33
-0.97	-1.00	-1.00	-0.81	-0.70	-0.64	-0.70	-0.55	-0.45	-0.41	-0.35	-0.28	-0.28
-0.21	0.17	0.16	0.02	0.08	0.10	0.11	0.14	0.23	0.30	0.34	0.40	0.40
0.44	0.44	0.37	0.53	0.57	0.60	0.49	0.48	0.59	0.51	0.48	0.52	0.52
0.45	0.40	0.32	0.43	0.41	0.32	0.29	0.23	0.22	0.16	0.10	0.08	0.08
0.01	-0.09	-0.26	-0.18	-0.32	-0.39	-0.50	-0.62	-0.62	-0.82	-0.91	-0.86	-0.86
-1.07	-1.13	-1.27	-1.24	-1.32	-1.46	-1.48	-1.51	-1.47	-1.47	-1.49	-1.61	-1.61
-1.61	-1.64	-1.77	-1.61	-1.58	-1.58	-1.61	-1.61	-1.51	-1.53	-1.53	-1.51	-1.51
-1.51	-1.54	-1.63	-1.52	-1.47	-1.47	-1.52	-1.51	-1.42	-1.46	-1.50	-1.51	-1.51
-1.59	-1.67	-1.88	-1.79	-1.81	-1.87	-1.93	-2.05	-2.03	-2.11	-2.16	-2.15	-2.15
-2.23	-2.37	-2.55	-2.49	-2.50	-2.51	-2.71	-2.80	-2.72	-2.85	-2.95	-3.02	-3.02
-3.10	-3.23	-3.46	-3.37	-3.39	-3.37	-3.46	-3.51	-3.44	-3.41	-3.41	-3.39	-3.39

BETA COEFFICIENTS

-2.31	-2.28	-2.25	-2.22	-2.15	-2.11	-2.06	-2.00	-1.92	-1.85	-1.78	-1.70	-1.70
-1.62	-1.58	-1.50	-1.41	-1.30	-1.20	-1.11	-1.02	-0.87	-0.72	-0.60	-0.64	-0.64
-0.58	-0.76	-0.85	-0.94	-0.97	-1.02	-1.07	-1.12	-1.13	-1.14	-1.17	-1.17	-1.17
-1.17	-1.13	-1.23	-1.27	-1.25	-1.27	-1.29	-1.29	-1.26	-1.22	-1.18	-1.10	-1.10
-1.03	-1.05	-1.07	-1.09	-1.04	-1.17	-1.30	-1.28	-1.37	-1.47	-1.54	-1.56	-1.56
-1.58	-1.68	-1.71	-1.73	-1.86	-1.92	-1.93	-2.19	-2.25	-2.32	-2.48	-2.56	-2.56
-2.64	-2.72	-2.88	-3.05	-3.05	-3.24	-3.44	-3.52	-3.65	-3.78	-3.90	-3.93	-3.93
-3.97	-4.09	-4.26	-4.44	-4.50	-4.65	-4.80	-4.88	-4.95	-5.02	-5.20	-5.22	-5.22
-5.24	-5.37	-5.56	-5.77	-5.86	-5.99	-6.12	-6.34	-6.43	-6.53	-6.73	-6.81	-6.81
-6.90	-7.04	-7.14	-7.25	-7.22	-7.27	-7.33	-7.43	-7.45	-7.48	-7.55	-7.55	-7.55
-7.57	-7.60	-7.72	-7.84	-7.79	-7.84	-7.89	-8.01	-8.05	-8.10	-8.14	-8.18	-8.18
-8.23	-8.24	-8.42	-8.61	-8.60	-8.63	-8.67	-8.88	-8.88	-8.89	-9.01	-9.04	-9.04
-9.09	-9.16	-9.29	-9.44	-9.38	-9.43	-9.51	-9.96	-9.56	-9.57	-9.60	-9.58	-9.58
-9.58	-9.56	-9.68	-9.83	-9.73	-9.76	-9.80	-9.85	-9.73	-9.63	-9.74	-9.61	-9.61
-9.50	-9.38	-9.62	-9.63	-9.58	-9.61	-9.65	-9.70	-9.65	-9.61	-9.58	-10.06	-10.06
-10.04	-9.99	-10.11	-10.25	-10.18	-10.17	-10.17	-10.24	-10.12	-10.03	-10.00	-9.93	-9.93
-9.88	-9.82	-9.88	-9.96	-9.91	-9.83	-9.78	-9.85	-9.80	-9.76	-9.74	-9.69	-9.69
-9.65	-9.60	-9.78	-9.98	-10.01	-10.11	-10.22	-10.44	-10.53	-10.63	-10.80	-10.85	-10.85
-10.91	-10.92	-11.19	-11.48	-11.50	-11.52	-11.56	-11.84	-11.85	-11.88	-12.00	-12.06	-12.06
-12.15	-12.16	-12.36	-12.57	-12.64	-12.67	-12.72	-12.88	-12.88	-12.89	-12.89	-12.87	-12.87

RO COEFFICIENTS

2.67	2.63	2.59	2.58	2.52	2.47	2.43	2.37	2.31	2.25	2.19	2.13	2.13
2.05	2.02	1.97	1.91	1.83	1.76	1.69	1.62	1.55	1.44	1.39	1.33	1.33
1.21	1.15	1.11	1.13	1.08	1.07	1.09	1.12	1.13	1.14	1.19	1.20	1.20
1.24	1.24	1.39	1.46	1.49	1.57	1.61	1.63	1.62	1.58	1.54	1.46	1.46
1.44	1.44	1.45	1.43	1.49	1.61	1.62	1.58	1.66	1.68	1.70	1.68	1.68
1.71	1.81	1.81	1.86	1.98	2.03	2.11	2.30	2.33	2.40	2.55	2.62	2.62
2.69	2.76	2.53	3.08	3.08	3.29	3.48	3.55	3.68	3.81	3.93	3.95	3.95
4.00	4.12	4.29	4.46	4.53	4.68	4.83	4.90	4.97	5.05	5.23	5.24	5.24
5.27	5.40	5.60	5.80	5.89	6.03	6.17	6.40	6.49	6.59	6.80	6.87	6.87
6.97	7.11	7.21	7.29	7.25	7.30	7.36	7.45	7.46	7.49	7.55	7.56	7.56
7.58	7.61	7.72	7.84	7.79	7.84	7.89	8.01	8.05	8.11	8.15	8.19	8.19
8.24	8.26	8.43	8.63	8.62	8.65	8.69	8.90	8.90	8.90	9.03	9.06	9.06
9.10	9.17	9.30	9.45	9.39	9.44	9.51	9.56	9.56	9.57	9.60	9.58	9.58
9.58	9.56	9.69	9.83	9.73	9.76	9.81	9.87	9.75	9.67	9.78	9.65	9.65
9.56	9.65	9.70	9.76	9.67	9.72	9.76	9.82	9.76	9.72	9.65	10.19	10.19
10.17	10.12	10.27	10.38	10.30	10.29	10.29	10.36	10.23	10.14	10.11	10.04	10.04
10.00	9.94	10.02	10.08	10.02	9.94	9.89	9.96	9.90	9.87	9.86	9.80	9.80
9.77	9.74	9.96	10.14	10.18	10.28	10.41	10.64	10.72	10.84	11.01	11.06	11.06
11.14	11.17	11.50	11.75	11.77	11.79	11.88	12.17	12.16	12.22	12.36	12.44	12.44
12.54	12.58	12.83	13.01	13.08	13.11	13.18	13.35	13.33	13.33	13.33	13.34	13.34

THETA COEFFICIENTS

-1.05	-1.05	-1.05	-1.04	-1.03	-1.02	-1.01	-1.00	-0.98	-0.97	-0.95	-0.92	-0.92
-0.91	-0.90	-0.86	-0.83	-0.79	-0.75	-0.72	-0.68	-0.59	-0.52	-0.45	-0.50	-0.50
-0.59	-0.72	-0.87	-0.99	-1.11	-1.26	-1.38	-1.48	-1.56	-1.48	-1.40	-1.33	-1.33
1.23	1.15	1.08	1.06	1.00	0.94	0.94	0.91	0.89	0.88	0.87	0.85	0.85
0.80	0.82	0.83	0.83	0.78	0.81	0.93	0.95	0.98	1.05	1.12	1.19	1.19
1.18	1.20	1.23	1.20	1.21	1.24	1.22	1.26	1.31	1.30	1.33	1.36	1.36
1.37	1.37	1.38	1.42	1.43	1.40	1.43	1.43	1.43	1.44	1.45	1.47	1.47
1.45	1.45	1.45	1.47	1.47	1.46	1.47	1.47	1.47	1.46	1.46	1.48	1.48
1.47	1.46	1.45	1.47	1.46	1.46	1.44	1.44	1.44	1.44	1.44	1.44	1.44
1.43	1.43	1.43	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.52	1.54	1.54
1.54	1.55	1.55	-1.57	-1.56	-1.56	-1.56	-1.55	-1.54	-1.53	-1.53	-1.52	-1.52
1.52	1.52	1.53	-1.51	-1.50	-1.50	-1.51	-1.52	-1.50	-1.51	-1.52	-1.51	-1.51
1.52	1.53	1.54	-1.53	-1.53	-1.54	-1.54	-1.55	-1.55	-1.55	-1.56	-1.56	-1.56
1.57	1.56	1.54	1.55	1.55	1.53	1.52	1.51	1.51	1.49	1.48	1.48	1.48
1.46	1.45	1.44	1.44	1.43	1.42	1.42	1.42	1.42	1.42	1.42	1.41	1.41
1.41	1.41	1.40	1.42	1.42	1.42	1.41	1.41	1.42	1.42	1.42	1.42	1.42
1.42	1.42	1.41	1.42	1.42	1.42	1.42	1.42	1.43	1.42	1.42	1.42	1.42
1.41	1.40	1.38	1.39	1.39	1.39	1.38	1.38	1.38	1.37	1.37	1.38	1.38
1.37	1.36	1.34	1.36	1.36	1.36	1.34	1.34	1.35	1.34	1.33	1.33	1.33
1.32	1.31	1.30	1.31	1.31	1.31	1.30	1.30	1.31	1.31	1.31	1.31	1.31

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NAME

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Benny Lee
Kate's Zumber
T. Good
Aracini King

Until 2/4/75
staff and students
consent of the auth

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146229

-1.533	-1.533	-1.533	-1.533	-1.533	-1.533	-1.533	-1.533	-1.533	-1.533	-1.533	-1.533
-1.534	-1.534	-1.534	-1.534	-1.534	-1.534	-1.534	-1.534	-1.534	-1.534	-1.534	-1.534
-1.527	-1.527	-1.527	-1.527	-1.527	-1.527	-1.527	-1.527	-1.527	-1.527	-1.527	-1.527
-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334
-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339
-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333
-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339
-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337
-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449
-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58
-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64
-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64
-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71
-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72	-0.72

SEASONAL ANALYSIS FOR FREQUENCY 4*PI/6 N 249 B 0.96 M 60

EVOLVING SEASONAL FACTORS

-2.67	1.32	1.29	-2.58	1.21	1.29	-2.43	1.09	1.28	-2.24	0.90	1.28
-2.04	0.75	1.28	-1.87	0.48	1.28	-1.60	0.25	1.28	-1.25	-0.10	1.17
-1.09	0.22	0.72	-1.13	0.60	0.32	-1.03	0.92	0.01	-0.93	1.11	-0.29
-0.81	1.29	-0.66	-0.75	1.49	-0.92	-0.65	1.62	-1.03	-0.56	1.51	-0.96
-0.339	1.40	-0.97	-0.45	1.44	-1.11	-0.64	1.57	-0.93	-0.86	1.70	-0.62
-1.04	1.79	-0.60	-1.16	1.95	-0.67	-1.35	2.25	-0.60	-1.69	2.45	-0.55
-2.02	2.61	-0.55	-2.42	2.86	-0.55	-2.74	3.29	-0.52	-3.02	3.62	-0.40
-3.20	3.78	-0.54	-3.61	4.13	-0.51	-3.92	4.47	-0.49	-4.08	4.78	-0.47
-4.27	4.44	-0.65	-4.69	5.39	-0.69	-4.91	5.92	-0.85	-5.19	6.31	-0.91
-5.49	6.60	-1.00	-5.87	6.60	-0.64	-6.05	6.71	-0.45	-6.28	6.71	-0.26
-6.45	6.67	-0.15	-6.80	6.71	0.11	-6.39	6.87	0.23	-7.16	6.88	0.41
-7.34	6.92	0.37	-7.73	7.16	0.60	-7.76	7.45	0.59	-7.95	7.56	0.52
-8.10	7.73	0.33	-8.39	7.92	0.33	-8.33	8.16	0.22	-8.37	8.26	-0.08
-8.30	8.32	-0.26	-8.42	8.55	-0.39	-8.24	8.84	-0.62	-7.93	8.89	-0.86
-7.69	8.89	-1.27	-7.76	8.96	-1.46	-7.61	9.15	-1.47	-7.58	9.04	-1.61
-7.89	9.47	-1.77	-7.08	9.61	-1.58	-3.00	9.67	-1.50	-7.92	9.42	-1.50
-7.80	9.27	-1.62	-7.87	9.33	-1.47	-7.71	9.28	-1.42	-7.72	9.19	-1.51
-7.56	9.14	-1.87	-7.75	9.58	-1.87	-7.86	10.06	-2.03	-8.16	10.43	-2.14
-8.33	10.64	-2.65	-8.70	11.21	-2.51	-8.66	11.65	-2.72	-8.87	11.87	-3.02
-8.98	12.15	-3.46	-9.20	12.64	-3.37	-9.28	12.91	-3.44	-9.46	12.87	-3.39

STABLE SEASONAL FACTORS

-5.07	5.64	-0.57	-5.07	5.64	-0.57	-5.07	5.64	-0.57	-5.07	5.64	-0.57
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VARIANCE OF STABLE PATTERN 3.19

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

-1.40	0.96	0.44	-1.40	0.96	0.44	-1.40	0.96	0.44	-1.40	0.96	0.44
-1.07	1.03	-0.04	-1.07	1.03	-0.04	-1.07	1.03	-0.04	-1.07	1.03	-0.04
-1.07	1.39	-0.32	-1.07	1.39	-0.32	-1.07	1.39	-0.32	-1.07	1.39	-0.32
-1.49	2.11	-0.61	-1.49	2.11	-0.61	-1.49	2.11	-0.61	-1.49	2.11	-0.61
-2.18	2.83	-0.64	-2.18	2.83	-0.64	-2.18	2.83	-0.64	-2.18	2.83	-0.64
-3.21	3.84	-0.63	-3.21	3.84	-0.63	-3.21	3.84	-0.63	-3.21	3.84	-0.63
-4.29	4.83	-0.54	-4.29	4.83	-0.54	-4.29	4.83	-0.54	-4.29	4.83	-0.54
-5.35	5.70	-0.35	-5.35	5.70	-0.35	-5.35	5.70	-0.35	-5.35	5.70	-0.35
-6.33	6.50	-0.17	-6.33	6.50	-0.17	-6.33	6.50	-0.17	-6.33	6.50	-0.17
-7.14	7.19	-0.06	-7.14	7.19	-0.06	-7.14	7.19	-0.06	-7.14	7.19	-0.06
-7.58	7.65	-0.08	-7.58	7.65	-0.08	-7.58	7.65	-0.08	-7.58	7.65	-0.08
-7.86	8.22	-0.36	-7.86	8.22	-0.36	-7.86	8.22	-0.36	-7.86	8.22	-0.36
-7.96	8.70	-0.75	-7.96	8.70	-0.75	-7.96	8.70	-0.75	-7.96	8.70	-0.75
-7.85	9.00	-1.15	-7.85	9.00	-1.15	-7.85	9.00	-1.15	-7.85	9.00	-1.15
-7.86	9.46	-1.60	-7.86	9.46	-1.60	-7.86	9.46	-1.60	-7.86	9.46	-1.60
-8.11	10.12	-2.01	-8.11	10.12	-2.01	-8.11	10.12	-2.01	-8.11	10.12	-2.01

ALPHA COEFFICIENTS

1.33	1.31	1.29	1.31	1.30	1.29	1.29	1.28	1.28	1.28	1.28	1.28
1.26	1.25	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
1.00	0.86	0.72	0.86	0.48	0.32	0.21	0.10	0.01	-0.10	-0.20	-0.29
-0.41	-0.52	-0.65	-0.71	-0.80	-0.92	-0.95	-1.00	-1.03	-1.00	-0.99	-0.96
-1.00	-0.99	-0.97	-1.00	-1.07	-1.11	-0.97	-0.92	-0.93	-0.82	-0.74	-0.62
-0.66	-0.65	-0.60	-0.67	-0.69	-0.67	-0.73	-0.71	-0.60	-0.64	-0.62	-0.55
-0.53	-0.52	-0.49	-0.49	-0.44	-0.44	-0.49	-0.49	-0.49	-0.49	-0.48	-0.40
-0.47	-0.49	-0.54	-0.47	-0.47	-0.47	-0.49	-0.49	-0.49	-0.55	-0.56	-0.47

AU:
The persons whose sig
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study only and that no
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NAME
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Benny Lee
Katie Zumber
T. Good
Aaron King

Until 2/4/75
staff and students
consent of the auth

146226

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EVOLVING SEASONAL FACTORS

3.42	-1.51	-3.48	1.51	3.48	-1.64	-3.55	1.74	3.58	-1.83	-3.62	1.94
3.72	-1.98	-3.77	2.16	3.87	-2.42	-4.04	2.70	4.22	-2.86	-4.33	3.13
4.13	-3.25	-4.85	3.37	3.53	-3.68	-4.27	3.93	3.03	-4.11	-4.76	4.36
2.60	-4.56	-2.42	3.09	2.09	-5.08	-1.87	5.29	1.60	-5.46	-1.45	5.63
1.37	-5.70	-1.09	5.22	0.76	-5.86	-0.72	5.61	0.35	-5.66	-0.21	5.68
0.19	-5.43	0.01	5.41	0.04	-5.20	0.66	5.19	0.16	-4.86	-0.10	4.78
0.25	-4.63	-0.43	4.31	0.32	-4.43	-0.55	4.23	0.69	-4.16	-0.84	4.08
1.11	-3.76	-1.47	3.36	1.47	-3.26	-1.65	3.00	1.65	-2.74	-1.55	2.70
1.84	-2.34	-1.94	1.94	1.33	-1.65	-1.79	1.59	1.92	-1.22	-1.89	1.07
2.19	-0.72	-2.40	0.51	2.24	-0.65	-2.25	0.84	2.33	-0.83	-2.30	0.87
2.45	-0.83	-2.62	0.64	2.48	-0.89	-2.53	1.17	2.71	-1.25	-2.87	1.27
3.08	-1.24	-3.42	0.89	3.30	-1.04	-3.27	1.47	3.61	-1.37	-3.57	1.51
3.31	-1.46	-4.03	1.32	3.92	-1.71	-4.08	2.01	4.17	-2.17	-4.21	2.34
4.42	-1.85	-4.74	2.2	4.59	-2.61	-4.72	2.99	4.88	-2.94	-4.68	3.37
5.94	-3.29	-5.15	3.3	5.00	-3.83	-5.14	4.09	5.31	-4.11	-5.42	4.40
6.59	-4.31	-6.82	4.75	6.28	-4.47	-6.31	4.83	6.49	-4.77	-6.46	4.85
6.78	-5.79	-7.00	5.43	6.71	-5.54	-6.56	5.39	6.71	-5.52	-6.66	5.69
6.73	-5.78	-7.24	5.18	6.65	-5.27	-6.47	5.80	6.52	-5.76	-6.45	5.85
6.68	-5.89	-6.99	5.67	6.91	-5.88	-6.57	5.79	6.78	-5.69	-6.62	5.78
				6.69		-6.31	6.33	6.18	-6.37	-6.04	6.37

STABLE SEASONAL FACTORS

3.63	-3.52	-3.63	3.52	3.63	-3.52	-3.63	3.52	3.63	-3.52	-3.63	3.52
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VARIANCE OF STABLE PATTERN 2.10

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

3.05	-3.35	-3.05	3.35	3.05	-3.35	-3.05	3.35	3.05	-3.35	-3.05	3.35
2.40	-4.16	-2.40	4.16	2.40	-4.16	-2.40	4.16	2.40	-4.16	-2.40	4.16
1.71	-4.71	-1.71	4.71	1.71	-4.71	-1.71	4.71	1.71	-4.71	-1.71	4.71
1.13	-4.86	-1.13	4.86	1.13	-4.86	-1.13	4.86	1.13	-4.86	-1.13	4.86
0.98	-4.47	-0.98	4.47	0.98	-4.47	-0.98	4.47	0.98	-4.47	-0.98	4.47
1.14	-3.51	-1.14	3.51	1.14	-3.51	-1.14	3.51	1.14	-3.51	-1.14	3.51
1.59	-2.57	-1.59	2.57	1.59	-2.57	-1.59	2.57	1.59	-2.57	-1.59	2.57
2.16	-1.89	-2.16	1.89	2.16	-1.89	-2.16	1.89	2.16	-1.89	-2.16	1.89
2.67	-1.40	-2.67	1.40	2.67	-1.40	-2.67	1.40	2.67	-1.40	-2.67	1.40
3.19	-1.37	-3.19	1.37	3.19	-1.37	-3.19	1.37	3.19	-1.37	-3.19	1.37
3.77	-1.86	-3.77	1.86	3.77	-1.86	-3.77	1.86	3.77	-1.86	-3.77	1.86
4.47	-2.57	-4.47	2.57	4.47	-2.57	-4.47	2.57	4.47	-2.57	-4.47	2.57
5.17	-3.30	-5.17	3.30	5.17	-3.30	-5.17	3.30	5.17	-3.30	-5.17	3.30
5.76	-4.15	-5.76	4.15	5.76	-4.15	-5.76	4.15	5.76	-4.15	-5.76	4.15
6.23	-4.84	-6.23	4.84	6.23	-4.84	-6.23	4.84	6.23	-4.84	-6.23	4.84
6.54	-5.34	-6.54	5.34	6.54	-5.34	-6.54	5.34	6.54	-5.34	-6.54	5.34

ALPHA COEFFICIENTS

-3.42	-3.44	-3.48	-3.43	-3.48	-3.51	-3.55	-3.57	-3.58	-3.60	-3.62	-3.67
-3.72	-3.74	-3.77	-3.82	-3.87	-3.95	-4.04	-4.13	-4.22	-4.27	-4.33	-4.23
-4.13	-3.99	-3.85	-3.69	-3.53	-3.39	-3.27	-3.14	-3.03	-2.89	-2.76	-2.68
-2.60	-2.51	-2.42	-2.25	-2.09	-1.98	-1.87	-1.74	-1.60	-1.52	-1.45	-1.41
-1.37	-1.23	-1.09	-0.99	-0.76	-0.74	-0.72	-0.53	-0.35	-0.28	-0.21	-0.20
-0.19	-0.09	0.01	0.02	0.04	0.01	0.06	0.05	-0.16	-0.13	-0.10	-0.18
-0.25	-0.34	-0.43	-0.33	-0.32	-0.48	-0.65	-0.67	-0.69	-0.76	-0.84	-1.04
-1.23	-1.47	-1.47	-1.47	-1.47	-1.56	-1.65	-1.65	-1.65	-1.60	-1.55	-1.69
-1.84	-1.89	-1.89	-1.89	-1.89	-1.81	-1.79	-1.85	-1.92	-1.90	-1.89	-2.04
-2.19	-2.29	-2.40	-2.32	-2.24	-2.24	-2.25	-2.29	-2.33	-2.32	-2.30	-2.38
-2.45	-2.55	-2.62	-2.55	-2.50	-2.50	-2.53	-2.62	-2.71	-2.79	-2.87	-2.97
-3.08	-3.25	-3.42	-3.36	-3.30	-3.28	-3.27	-3.44	-3.61	-3.59	-3.57	-3.68
-3.81	-4.01	-4.03	-3.97	-3.92	-4.00	-4.08	-4.12	-4.17	-4.19	-4.21	-4.31
-4.42	-4.57	-4.74	-4.66	-4.59	-4.65	-4.72	-4.80	-4.88	-4.77	-4.68	-4.88
-5.10	-5.12	-5.15	-5.07	-5.00	-5.07	-5.14	-5.22	-5.31	-5.36	-5.42	-5.80
-5.94	-6.15	-6.37	-6.32	-6.28	-6.29	-6.31	-6.39	-6.49	-6.47	-6.46	-6.52
-6.59	-6.70	-6.82	-6.76	-6.71	-6.62	-6.56	-6.63	-6.71	-6.68	-6.66	-6.71
-6.78	-6.88	-6.99	-6.82	-6.75	-6.56	-6.47	-6.49	-6.52	-6.48	-6.45	-6.58
-6.73	-6.83	-7.07	-6.82	-6.90	-6.73	-6.57	-6.67	-6.78	-6.70	-6.62	-6.64
-6.68	-6.83	-6.99	-6.84	-6.69	-6.49	-6.31	-6.24	-6.18	-6.10	-6.04	-6.03

BETA COEFFICIENTS

1.50	1.51	1.51	1.51	1.57	1.64	1.69	1.74	1.79	1.83	1.88	1.94
1.96	1.98	2.07	2.16	2.29	2.42	2.55	2.70	2.78	2.86	2.99	3.13
3.19	3.25	3.31	3.37	3.52	3.68	3.80	3.93	4.02	4.11	4.23	4.36
4.46	4.56	4.64	4.72	4.90	5.08	5.18	5.29	5.37	5.46	5.54	5.63
5.55	5.70	5.76	5.82	5.81	5.86	5.73	5.61	5.63	5.66	5.66	5.68
4.70	4.63	4.47	4.41	4.30	4.20	4.19	4.19	4.19	4.16	4.12	4.08
3.99	3.76	3.56	3.36	3.30	3.26	3.13	3.00	2.87	2.74	2.71	2.70
3.51	3.34	3.09	2.84	2.74	2.65	2.52	2.39	2.28	2.16	2.14	2.07
0.85	0.83	0.61	0.51	0.58	0.65	0.74	0.84	0.84	0.89	0.85	0.87
1.25	1.24	1.06	0.89	0.96	1.04	1.13	1.17	1.21	1.25	1.26	1.27
1.48	1.46	1.39	1.32	1.51	1.71	1.85	1.92	1.92	1.93	1.94	1.94
2.33	2.42	2.31	2.21	2.41	2.61	2.80	2.99	2.96	2.94	2.94	2.94
3.33	3.29	3.31	3.35	3.58	3.83	3.99	4.10	4.10	4.11	4.11	4.10
4.43	4.46	4.32	4.19	4.33	4.47	4.65	4.83	4.90	4.77	4.81	4.85
4.88	4.91	4.82	4.75	4.86	4.97	5.18	5.39	5.45	5.52	5.60	5.69
5.74	5.80	5.61	5.44	5.49	5.54	5.67	5.80	5.77	5.76	5.80	5.85
5.31	5.78	5.47	5.18	5.22	5.27	5.53	5.79	5.73	5.69	5.73	5.78
5.83	5.89	5.78	5.67	5.78	5.88	6.10	6.34	6.35	6.37	6.36	6.37

RO COEFFICIENTS

3.73	3.76	3.79	3.79	3.82	3.88	3.93	3.97	4.00	4.04	4.08	4.15
4.21	4.24	4.30	4.39	4.50	4.63	4.78	4.93	5.05	5.14	5.26	5.26
5.21	5.15	5.08	5.00	4.98	5.01	5.01	5.03	5.03	5.03	5.05	5.12
5.16	5.20	5.23	5.33	5.33	5.45	5.51	5.57	5.60	5.67	5.72	5.80
5.82	5.83	5.86	5.91	5.86	5.90	5.78	5.64	5.64	5.66	5.67	5.68
5.55	5.43	5.41	5.33	5.30	5.20	5.19	5.19	5.02	4.86	4.81	4.78
4.71	4.64	4.45	4.36	4.38	4.45	4.38	4.29	4.16	4.23	4.20	4.21
4.11	4.00	3.85	3.66	3.52	3.45	3.54	3.43	3.31	3.17	3.13	3.18
3.12	3.01	2.85	2.66	2.52	2.45	2.41	2.44	2.35	2.26	2.21	2.30
2.36	2.40	2.48	2.57	2.53	2.54	2.57	2.57	2.48	2.46	2.45	2.53
2.60	2.67	2.72	2.73	2.79	2.85	2.93	2.87	2.97	3.06	3.13	3.23
3.33	3.48	3.59	3.63	3.44	3.45	3.50	3.74	3.88	3.84	3.85	3.98
4.08	4.18	4.26	4.11	4.20	4.25	4.48	4.59	4.67	4.71	4.77	4.90
5.02	5.18	5.27	5.19	5.18	5.14	5.49	5.65	5.71	5.61	5.64	5.93
6.09	6.08	6.12	6.00	6.15	6.01	6.49	6.63	6.70	6.75	6.80	7.28
7.41	7.60	7.70	7.58	7.52	7.41	7.33	7.02	6.97	6.94	6.90	6.80
8.20	8.30	8.35	8.26	8.28	8.28	8.35	8.54	8.55	8.67	8.67	8.81
8.88	9.00	9.07	8.93	8.62	8.59	8.60	8.70	8.71	8.67	8.67	8.80
8.39	9.06	9.07	8.75	8.66	8.55	8.53	8.83	8.88	8.79	8.76	8.80
8.86	9.02	9.07	8.88	8.84	8.76	8.78	8.80	8.86	8.82	8.77	8.77

THETA COEFFICIENTS

-0.41	-0.41	-0.41	-0.41	-0.42	-0.44	-0.44	-0.45	-0.45	-0.47	-0.48	-0.49
-0.48	-0.49	-0.50	-0.51	-0.53	-0.55	-0.56	-0.58	-0.58	-0.59	-0.60	-0.64
-0.66	-0.68	-0.71	-0.74	-0.79	-0.83	-0.86	-0.90	-0.90	-0.96	-0.99	-1.02
-1.04	-1.07	-1.09	-1.13	-1.17	-1.20	-1.22	-1.25	-1.25	-1.30	-1.32	-1.33

AU
 The persons whose sig
 ... Richard Deane, et al
 study only and that no
 available, may be publi

 NAME
 Peter M Robinson
 Beverly Lee
 Katelyn Zumber
 T. Good
 Aaron King
 Until 2/4/75
 staff and students
 consent of the auth

146224

146225

-11.90	-12.10	-12.20	-12.30	-12.40	-12.50	-12.60	-12.70	-12.80	-12.90	-13.00	-13.10	-13.20
-13.00	-13.10	-13.20	-13.30	-13.40	-13.50	-13.60	-13.70	-13.80	-13.90	-14.00	-14.10	-14.20
-14.00	-14.10	-14.20	-14.30	-14.40	-14.50	-14.60	-14.70	-14.80	-14.90	-15.00	-15.10	-15.20
-14.20	-14.30	-14.40	-14.50	-14.60	-14.70	-14.80	-14.90	-15.00	-15.10	-15.20	-15.30	-15.40
-14.50	-14.60	-14.70	-14.80	-14.90	-15.00	-15.10	-15.20	-15.30	-15.40	-15.50	-15.60	-15.70
-14.80	-14.90	-15.00	-15.10	-15.20	-15.30	-15.40	-15.50	-15.60	-15.70	-15.80	-15.90	-16.00
-15.10	-15.20	-15.30	-15.40	-15.50	-15.60	-15.70	-15.80	-15.90	-16.00	-16.10	-16.20	-16.30
-15.40	-15.50	-15.60	-15.70	-15.80	-15.90	-16.00	-16.10	-16.20	-16.30	-16.40	-16.50	-16.60
-15.70	-15.80	-15.90	-16.00	-16.10	-16.20	-16.30	-16.40	-16.50	-16.60	-16.70	-16.80	-16.90
-16.00	-16.10	-16.20	-16.30	-16.40	-16.50	-16.60	-16.70	-16.80	-16.90	-17.00	-17.10	-17.20
-16.30	-16.40	-16.50	-16.60	-16.70	-16.80	-16.90	-17.00	-17.10	-17.20	-17.30	-17.40	-17.50
-16.60	-16.70	-16.80	-16.90	-17.00	-17.10	-17.20	-17.30	-17.40	-17.50	-17.60	-17.70	-17.80
-16.90	-17.00	-17.10	-17.20	-17.30	-17.40	-17.50	-17.60	-17.70	-17.80	-17.90	-18.00	-18.10
-17.20	-17.30	-17.40	-17.50	-17.60	-17.70	-17.80	-17.90	-18.00	-18.10	-18.20	-18.30	-18.40
-17.50	-17.60	-17.70	-17.80	-17.90	-18.00	-18.10	-18.20	-18.30	-18.40	-18.50	-18.60	-18.70
-17.80	-17.90	-18.00	-18.10	-18.20	-18.30	-18.40	-18.50	-18.60	-18.70	-18.80	-18.90	-19.00
-18.10	-18.20	-18.30	-18.40	-18.50	-18.60	-18.70	-18.80	-18.90	-19.00	-19.10	-19.20	-19.30
-18.40	-18.50	-18.60	-18.70	-18.80	-18.90	-19.00	-19.10	-19.20	-19.30	-19.40	-19.50	-19.60
-18.70	-18.80	-18.90	-19.00	-19.10	-19.20	-19.30	-19.40	-19.50	-19.60	-19.70	-19.80	-19.90
-19.00	-19.10	-19.20	-19.30	-19.40	-19.50	-19.60	-19.70	-19.80	-19.90	-20.00	-20.10	-20.20
-19.30	-19.40	-19.50	-19.60	-19.70	-19.80	-19.90	-20.00	-20.10	-20.20	-20.30	-20.40	-20.50
-19.60	-19.70	-19.80	-19.90	-20.00	-20.10	-20.20	-20.30	-20.40	-20.50	-20.60	-20.70	-20.80
-19.90	-20.00	-20.10	-20.20	-20.30	-20.40	-20.50	-20.60	-20.70	-20.80	-20.90	-21.00	-21.10
-20.20	-20.30	-20.40	-20.50	-20.60	-20.70	-20.80	-20.90	-21.00	-21.10	-21.20	-21.30	-21.40
-20.50	-20.60	-20.70	-20.80	-20.90	-21.00	-21.10	-21.20	-21.30	-21.40	-21.50	-21.60	-21.70
-20.80	-20.90	-21.00	-21.10	-21.20	-21.30	-21.40	-21.50	-21.60	-21.70	-21.80	-21.90	-22.00
-21.10	-21.20	-21.30	-21.40	-21.50	-21.60	-21.70	-21.80	-21.90	-22.00	-22.10	-22.20	-22.30
-21.40	-21.50	-21.60	-21.70	-21.80	-21.90	-22.00	-22.10	-22.20	-22.30	-22.40	-22.50	-22.60
-21.70	-21.80	-21.90	-22.00	-22.10	-22.20	-22.30	-22.40	-22.50	-22.60	-22.70	-22.80	-22.90
-22.00	-22.10	-22.20	-22.30	-22.40	-22.50	-22.60	-22.70	-22.80	-22.90	-23.00	-23.10	-23.20
-22.30	-22.40	-22.50	-22.60	-22.70	-22.80	-22.90	-23.00	-23.10	-23.20	-23.30	-23.40	-23.50
-22.60	-22.70	-22.80	-22.90	-23.00	-23.10	-23.20	-23.30	-23.40	-23.50	-23.60	-23.70	-23.80
-22.90	-23.00	-23.10	-23.20	-23.30	-23.40	-23.50	-23.60	-23.70	-23.80	-23.90	-24.00	-24.10

BETA COEFFICIENTS

-4.14	-4.22	-4.30	-4.39	-4.45	-4.49	-4.54	-4.62	-4.70	-4.79	-4.89	-5.01
-4.14	-4.24	-4.31	-4.39	-4.43	-4.47	-4.52	-4.59	-4.67	-4.76	-4.85	-4.94
-4.24	-4.33	-4.42	-4.50	-4.54	-4.58	-4.63	-4.70	-4.78	-4.87	-4.96	-5.05
-4.33	-4.42	-4.51	-4.59	-4.63	-4.67	-4.72	-4.79	-4.87	-4.96	-5.05	-5.14
-4.42	-4.51	-4.60	-4.68	-4.72	-4.76	-4.81	-4.88	-4.96	-5.05	-5.14	-5.23
-4.51	-4.60	-4.69	-4.77	-4.81	-4.85	-4.90	-4.97	-5.05	-5.14	-5.23	-5.32
-4.60	-4.69	-4.78	-4.86	-4.90	-4.94	-4.99	-5.06	-5.14	-5.23	-5.32	-5.41
-4.69	-4.78	-4.87	-4.95	-4.99	-5.03	-5.08	-5.15	-5.23	-5.32	-5.41	-5.50
-4.78	-4.87	-4.96	-5.04	-5.08	-5.12	-5.17	-5.24	-5.32	-5.41	-5.50	-5.59
-4.87	-4.96	-5.05	-5.13	-5.17	-5.21	-5.26	-5.33	-5.41	-5.50	-5.59	-5.68
-4.96	-5.05	-5.14	-5.22	-5.26	-5.30	-5.35	-5.42	-5.50	-5.59	-5.68	-5.77
-5.05	-5.14	-5.23	-5.31	-5.35	-5.39	-5.44	-5.51	-5.59	-5.68	-5.77	-5.86
-5.14	-5.23	-5.32	-5.40	-5.44	-5.48	-5.53	-5.60	-5.68	-5.77	-5.86	-5.95
-5.23	-5.32	-5.41	-5.49	-5.53	-5.57	-5.62	-5.69	-5.77	-5.86	-5.95	-6.04
-5.32	-5.41	-5.50	-5.58	-5.62	-5.66	-5.71	-5.78	-5.86	-5.95	-6.04	-6.13
-5.41	-5.50	-5.59	-5.67	-5.71	-5.75	-5.80	-5.87	-5.95	-6.04	-6.13	-6.22
-5.50	-5.59	-5.68	-5.76	-5.80	-5.84	-5.89	-5.96	-6.04	-6.13	-6.22	-6.31
-5.59	-5.68	-5.77	-5.85	-5.89	-5.93	-5.98	-6.05	-6.13	-6.22	-6.31	-6.40
-5.68	-5.77	-5.86	-5.94	-5.98	-6.02	-6.07	-6.14	-6.22	-6.31	-6.40	-6.49
-5.77	-5.86	-5.95	-6.03	-6.07	-6.11	-6.16	-6.23	-6.31	-6.40	-6.49	-6.58
-5.86	-5.95	-6.04	-6.12	-6.16	-6.20	-6.25	-6.32	-6.40	-6.49	-6.58	-6.67
-5.95	-6.04	-6.13	-6.21	-6.25	-6.29	-6.34	-6.41	-6.49	-6.58	-6.67	-6.76
-6.04	-6.13	-6.22	-6.30	-6.34	-6.38	-6.43	-6.50	-6.58	-6.67	-6.76	-6.85
-6.13	-6.22	-6.31	-6.39	-6.43	-6.47	-6.52	-6.59	-6.67	-6.76	-6.85	-6.94
-6.22	-6.31	-6.40	-6.48	-6.52	-6.56	-6.61	-6.68	-6.76	-6.85	-6.94	-7.03
-6.31	-6.40	-6.49	-6.57	-6.61	-6.65	-6.70	-6.77	-6.85	-6.94	-7.03	-7.12
-6.40	-6.49	-6.58	-6.66	-6.70	-6.74	-6.79	-6.86	-6.94	-7.03	-7.12	-7.21
-6.49	-6.58	-6.67	-6.75	-6.79	-6.83	-6.88	-6.95	-7.03	-7.12	-7.21	-7.30
-6.58	-6.67	-6.76	-6.84	-6.88	-6.92	-6.97	-7.04	-7.12	-7.21	-7.30	-7.39
-6.67	-6.76	-6.85	-6.93	-6.97	-7.01	-7.06	-7.13	-7.21	-7.30	-7.39	-7.48
-6.76	-6.85	-6.94	-7.02	-7.06	-7.10	-7.15	-7.22	-7.30	-7.39	-7.48	-7.57
-6.85	-6.94	-7.03	-7.11	-7.15	-7.19	-7.24	-7.31	-7.39	-7.48	-7.57	-7.66
-6.94	-7.03	-7.12	-7.20	-7.24	-7.28	-7.33	-7.40	-7.48	-7.57	-7.66	-7.75
-7.03	-7.12	-7.21	-7.29	-7.33	-7.37	-7.42	-7.49	-7.57	-7.66	-7.75	-7.84
-7.12	-7.21	-7.30	-7.38	-7.42	-7.46	-7.51	-7.58	-7.66	-7.75	-7.84	-7.93
-7.21	-7.30	-7.39	-7.47	-7.51	-7.55	-7.60	-7.67	-7.75	-7.84	-7.93	-8.02
-7.30	-7.39	-7.48	-7.56	-7.60	-7.64	-7.69	-7.76	-7.84	-7.93	-8.02	-8.11
-7.39	-7.48	-7.57	-7.65	-7.69	-7.73	-7.78	-7.85	-7.93	-8.02	-8.11	-8.20
-7.48	-7.57	-7.66	-7.74	-7.78	-7.82	-7.87	-7.94	-8.02	-8.11	-8.20	-8.29
-7.57	-7.66	-7.75	-7.83	-7.87	-7.91	-7.96	-8.03	-8.11	-8.20	-8.29	-8.38
-7.66	-7.75	-7.84	-7.92	-7.96	-8.00	-8.05	-8.12	-8.20	-8.29	-8.38	-8.47
-7.75	-7.84	-7.93	-8.01	-8.05	-8.09	-8.14	-8.21	-8.29	-8.38	-8.47	-8.56
-7.84	-7.93	-8.02	-8.10	-8.14	-8.18	-8.23	-8.30	-8.38	-8.47	-8.56	-8.65
-7.93	-8.02	-8.11	-8.19	-8.23	-8.27	-8.32	-8.39	-8.47	-8.56	-8.65	-8.74
-8.02	-8.11	-8.20	-8.28	-8.32	-8.36	-8.41	-8.48	-8.56	-8.65	-8.74	-8.83
-8.11	-8.20	-8.29	-8.37	-8.41	-8.45	-8.50	-8.57	-8.65	-8.74	-8.83	-8.92
-8.20	-8.29	-8.38	-8.46	-8.50	-8.54	-8.59	-8.66	-8.74	-8.83	-8.92	-9.01
-8.29	-8.38	-8.47	-8.55	-8.59	-8.63	-8.68	-8.75	-8.83	-8.92	-9.01	-9.10
-8.38	-8.47	-8.56	-8.64	-8.68	-8.72	-8.77	-8.84	-8.92	-9.01	-9.10	-9.19
-8.47	-8.56	-8.65	-8.73	-8.77	-8.81	-8.86	-8.93	-9.01	-9.10	-9.19	-9.28
-8.56	-8.65	-8.74	-8.82	-8.86	-8.90	-8.95	-9.02	-9.10	-9.19	-9.28	-9.37
-8.65	-8.74	-8.83	-8.91	-8.95	-8.99	-9.04	-9.11	-9.19	-9.28	-9.37	-9.46
-8.74	-8.83	-8.92	-9.00	-9.04	-9.08	-9.13	-9.20	-9.28	-9.37	-9.46	-9.55
-8.83	-8.92	-9.01	-9.09	-9.13	-9.17	-9.22	-9.29	-9.37	-9.46	-9.55	-9.64
-8.92	-9.01	-9.10	-9.18	-9.22	-9.26	-9.31	-9.38	-9.46	-9.55	-9.64	-9.73
-9.01	-9.10	-9.19	-9.27	-9.31	-9.35	-9.40	-9.47	-9.55	-9.64	-9.73	-9.82
-9.10	-9.19	-9.28	-9.36	-9.40	-9.44	-9.49	-9.56	-9.64	-9.73	-9.82	-9.91
-9.19	-9.28	-9.37	-9.45	-9.49	-9.53	-9.58	-9.65	-9.73	-9.82	-9.91	-10.00
-9.28	-9.37	-9.46	-9.54	-9.58	-9.62	-9.67	-9.74	-9.82	-9.91	-10.00	-10.09
-9.37	-9.46	-9.55	-9.63	-9.67	-9.71	-9.76	-9.83	-9.91	-10.00	-10.09	-10.18
-9.46	-9.55	-9.64	-9.72	-9.76	-9.80	-9.85	-9.92	-10.00	-10.09	-10.18	-10.27
-9.55	-9.64	-9.73	-9.81	-9.85	-9.89	-9.94	-10.01	-10.09	-10.18	-10.27	-10.36
-9.64	-9.73	-9.82	-9.90	-9.94	-9.98	-10.03	-10.10	-10.18	-10.27	-10.36	-10.45
-9.73	-9.82	-9.91	-9.99	-10.03	-10.07	-10.12	-10.19	-10.27	-10.36	-10.45	-10.54
-9.82	-9.91	-10.00	-10.08	-10.12	-10.16	-10.21	-10.28	-10.36	-10.45	-10.54	-10.63
-9.91	-10.00	-10.09	-10.17	-10.21	-10.25	-10.30	-10.37	-10.45	-10.54	-10.63	-10.72
-10.00	-10.09	-10.18	-10.26	-10.30	-10.34	-10.39	-10.46	-10.54	-10.63	-10.72	-10.81
-10.09	-10.18	-10.27	-10.35	-10.39	-10.43	-10.48	-10.55	-10.63	-10.72	-10.81	-10.90
-10.18	-10.27	-10.36	-10.44	-10.48	-1						

41.85	43.37	42.88	41.36	42.89	43.99	53.2	51.59	48.37	47.00	48.36	49.81
49.59	49.50	48.38	47.31	47.50	49.97	51.2	49.56	48.12	47.30	47.67	47.20
46.16	45.90	45.38									
26.61	27.59	25.58	24.68	28.37	33.07	31.54	27.53	24.58	23.94	25.00	25.39
26.01	25.46	24.17	23.69	25.30	26.84	25.54	24.12	23.15	22.82	22.68	22.07
22.26	22.12										
4.96	2.99	-0.29	-0.27	3.14	2.62	-1.10	-4.95	-7.58	-7.29	-6.41	-5.08
-4.84	-6.02	-7.10	-6.87	-5.44	-5.99	-6.98	-7.85	-8.84	-8.60	-8.56	-7.95
-7.63											
-20.42	-25.37	-29.32	-28.27	-27.54	-29.91	-33.65	-37.71	-38.32	-37.16	-35.43	-34.42
-35.14	-36.56	-37.90	-36.99	-36.57	-36.83	-37.33	-38.77	-38.17	-37.44	-36.54	-35.81
-43.64	-50.80	-52.60	-50.72	-50.96	-53.54	-57.99	-59.42	-58.28	-56.61	-55.03	-55.06
-56.45	-59.11	-59.02	-57.67	-57.06	-57.03	-58.54	-57.73	-56.46	-55.49	-54.52	
-58.64	-63.03	-60.43	-58.29	-58.88	-62.52	-64.43	-63.63	-62.49	-60.75	-60.01	-60.99
-64.33	-65.16	-63.18	-61.78	-61.19	-62.36	-61.54	-60.03	-59.27	-58.32		
-56.43	-53.79	-49.67	-47.93	-49.67	-51.56	-51.36	-51.11	-49.68	-48.32	-48.57	-51.72
-53.31	-51.20	-49.35	-48.31	-48.78	-48.18	-46.85	-46.52	-45.85			
-32.58	-27.47	-23.69	-22.87	-24.23	-24.73	-25.52	-24.82	-23.18	-22.56	-24.61	-26.58
-24.92	-23.11	-21.87	-21.45	-21.26	-20.49	-20.73	-20.55				
2.00	8.92	10.29	9.91	8.79	7.08	6.78	8.28	9.66	9.37	7.55	8.25
6.52	10.63	11.90	11.53	11.54	10.75	10.34					
35.50	40.69	41.46	39.99	37.78	36.48	37.40	39.22	40.93	39.77	39.23	39.56
40.21	42.04	41.27	40.35	39.19	38.26						
60.06	61.88	60.43	58.29	56.28	56.31	58.10	61.49	61.38	59.65	58.87	58.84
60.77	59.72	58.10	56.86	55.63							
65.57	64.55	63.09	60.87	59.92	61.17	65.44	66.50	63.97	62.19	61.43	62.93
61.88	59.95	58.98	57.76								
51.36	51.04	49.21	47.47	47.79	51.81	53.84	51.14	48.79	47.46	48.05	47.29
45.59	45.17	44.31									
25.45	24.56	22.46	21.67	24.30	26.81	24.69	22.37	20.79	20.25	20.02	19.02
19.33	19.10										
-6.56	-8.48	-10.24	-9.87	-7.53	-8.43	-10.05	-11.47	-13.09	-12.69	-12.63	-11.62
-11.10											
-37.06	-39.38	-41.56	-40.08	-39.40	-39.82	-40.65	-42.99	-42.01	-40.82	-39.34	-38.16
-57.92	-62.25	-62.11	-59.91	-58.90	-58.86	-61.33	-59.99	-57.92	-56.34	-54.76	
-66.29	-67.64	-64.40	-62.13	-61.17	-63.07	-61.73	-59.27	-58.03	-56.48		
-54.98	-51.53	-48.52	-46.82	-47.58	-46.61	-44.43	-43.90	-42.80			
-24.82	-21.86	-19.84	-19.14	-18.85	-17.57	-17.97	-17.68				
10.48	12.28	14.35	13.84	13.76	12.48	11.82					
40.94	43.93	42.68	41.17	39.27	37.76						
61.70	60.00	57.35	55.33	53.32							
61.10	57.97	56.37	54.39								
43.12	42.44	41.04									
17.35	16.98										
-11.51											

STABLE SEASONAL FACTORS

-6.65	-21.10	-29.90	-30.68	-23.24	-9.58	6.65	21.10	29.90	30.68	23.24	9.58
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VARIANCE OF STABLE PATTERN 78.31

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

7.49	1.37	-5.12	-10.24	-12.61	-11.61	-7.49	-1.37	5.12	10.24	12.61	11.61
8.52	1.69	-5.59	-11.38	-14.12	-13.07	-9.52	-1.69	5.59	11.38	14.12	13.07
8.96	0.70	-7.76	-14.13	-16.72	-14.83	-8.96	-0.70	7.76	14.13	16.72	14.83
9.27	-0.81	-10.68	-17.69	-19.95	-16.87	-9.27	0.81	10.68	17.69	19.95	16.87
8.31	-3.66	-14.65	-21.72	-25.44	-17.95	-8.31	3.66	14.65	21.72	25.44	17.95
5.65	-8.16	-19.79	-26.12	-29.39	-17.01	-5.65	8.16	19.79	26.12	29.39	17.01
2.07	-13.42	-25.32	-30.43	-27.39	-15.27	-2.07	13.42	25.32	30.43	27.39	15.27
-1.36	-18.49	-30.16	-33.76	-28.31	-13.48	-1.36	18.49	30.16	33.76	28.31	13.48
-5.59	-23.32	-34.71	-36.80	-29.03	-12.37	-5.59	23.32	34.71	36.80	29.03	12.37
-8.52	-27.12	-38.46	-39.49	-29.94	-12.14	-8.52	27.12	38.46	39.49	29.94	12.14
-10.14	-29.71	-41.31	-41.85	-31.17	-11.07	-10.14	29.71	41.31	41.85	31.17	11.07
-12.41	-32.56	-43.99	-43.63	-31.58	-9.20	-12.41	32.56	43.99	43.63	31.58	9.20
-15.10	-35.35	-46.14	-44.56	-31.04	-6.03	-15.10	35.35	46.14	44.56	31.04	6.03
-18.96	-38.86	-48.35	-44.88	-29.39	-1.74	-18.96	38.86	48.35	44.88	29.39	1.74
-23.97	-43.26	-50.96	-45.00	-26.98	3.38	-23.97	43.26	50.96	45.00	26.98	3.38
-29.61	-47.90	-53.36	-44.52	-23.75		-29.61	47.90	53.36	44.52	23.75	

ALPHA COEFFICIENTS

-4.82	-4.84	-4.87	-4.87	-4.82	-4.78	-4.75	-4.74	-4.72	-4.70	-4.69	-4.68
-4.58	-4.70	-4.78	-4.88	-4.97	-5.05	-5.14	-5.24	-5.30	-5.31	-5.29	-5.36
-5.45	-5.56	-5.68	-5.76	-5.79	-5.81	-5.84	-5.88	-5.90	-5.90	-5.89	-5.87
-5.37	-5.48	-5.57	-5.73	-5.84	-5.89	-5.94	-5.97	-5.97	-5.98	-5.92	-5.85
-4.79	-4.78	-4.80	-4.85	-4.86	-4.84	-4.82	-4.81	-4.80	-4.79	-4.79	-4.73
-7.18	-7.69	-8.29	-9.03	-9.88	-10.78	-11.71	-12.57	-13.30	-13.91	-14.45	-14.97
-15.52	-16.08	-16.58	-16.96	-17.20	-17.35	-17.54	-17.82	-18.18	-18.62	-19.11	-19.57
-20.06	-20.62	-21.18	-21.65	-22.04	-22.42	-22.83	-23.34	-23.87	-24.38	-24.85	-25.26
-25.71	-26.26	-26.79	-27.24	-27.62	-28.02	-28.47	-28.93	-29.30	-29.63	-29.92	-30.18
-30.49	-30.88	-31.38	-31.73	-32.00	-32.28	-32.61	-32.93	-33.22	-33.48	-33.70	-33.86
-34.82	-35.32	-35.81	-36.19	-36.45	-36.73	-37.06	-37.43	-37.77	-38.15	-38.62	-39.14
-39.73	-40.36	-40.91	-41.29	-41.55	-41.80	-42.13	-42.48	-42.85	-43.26	-43.70	-44.12
-42.81	-42.98	-43.18	-43.28	-43.31	-43.31	-43.23	-43.08	-42.88	-42.64	-42.36	-42.04
-44.45	-44.84	-45.17	-45.33	-45.39	-45.29	-45.06	-44.73	-44.38	-43.93	-43.38	-42.82
-44.73	-44.70	-44.80	-44.85	-44.85	-44.73	-44.54	-44.31	-43.98	-43.55	-43.02	-42.40
-48.23	-48.68	-49.06	-49.24	-49.27	-49.15	-48.97	-48.75	-48.46	-48.14	-47.73	-47.21
-50.46	-50.77	-51.06	-51.24	-51.35	-51.37	-51.37	-51.35	-51.24	-51.06	-50.77	-50.46
-53.86	-54.41	-54.82	-55.13	-55.33	-55.41	-55.37	-55.23	-55.00	-54.68	-54.26	-53.73
-57.50	-57.99	-58.32	-58.50	-58.58	-58.57	-58.46	-58.26	-57.96	-57.57	-57.11	-56.58
-56.76	-56.65	-56.48	-56.27	-55.98	-55.52	-54.96	-54.73	-54.39	-54.11	-53.69	-53.16

BETA COEFFICIENTS

-9.32	-9.31	-9.31	-9.32	-9.33	-9.33	-9.34	-9.33	-9.34	-9.38	-9.42	-9.47
-9.49	-9.50	-9.49	-9.50	-9.51	-9.52	-9.55	-9.53	-9.58	-9.68	-9.80	-10.14
-10.34	-10.52	-10.72	-10.94	-11.13	-11.32	-11.50	-11.68	-11.92	-12.17	-12.43	-12.68
-12.91	-13.14	-13.42	-13.72	-14.00	-14.26	-14.46	-14.65	-14.84	-15.15	-15.44	-15.73
-15.98	-16.16	-16.37	-16.60	-16.80	-16.96	-17.16	-17.36	-17.56	-17.76	-18.00	-18.27

AL
The persons whose sit
... Richard Peare, for
study only and that no
available, may be publi
.....

NAME
Peter R. Robinson
Beverly Lee
Kathleen J. Jambor
T. Good
Aron King

Until 2/3/75
staff and students
consent of the aut

146218
146219

7.85	12.07	13.06	12.59	11.56	10.68	10.94	12.52	13.85	13.44	13.38	14.12
15.67	17.24	17.53	17.17	16.38	15.48	15.50	17.59	18.81	18.40	17.75	17.84
18.39	19.28	19.28	18.94	18.02	17.11	17.52	18.97	20.13	19.82	19.61	20.31
21.41	22.60	22.78	22.44	21.93	21.63	21.84	22.26	22.65	22.39	22.26	22.34
22.49	22.91	22.73	22.52	22.25	22.04						
34.21	35.50	34.78	33.55	32.11	31.61	32.93	35.02	35.50	34.50	34.24	35.10
36.61	37.26	36.37	35.55	34.48	34.11	36.36	38.56	38.95	38.20	37.78	37.93
38.79	38.81	38.39	37.83	36.92	37.03	38.60	40.71	41.23	40.68	40.75	41.51
42.82	43.24	42.90	42.41	41.95	41.96	42.37	43.15	43.12	42.73	42.54	42.54
42.98	42.74	42.37	42.08	41.80							
48.26	47.48	46.37	44.74	43.55	44.21	46.54	47.86	46.11	44.83	44.70	45.74
46.47	45.36	44.75	43.80	43.10	44.90	47.53	48.68	48.05	47.18	46.86	47.45
47.47	47.10	47.08	46.43	46.18	47.44	49.98	51.27	50.50	49.88	50.05	51.12
51.68	51.45	51.11	50.60	50.38	50.67	51.65	51.89	51.31	50.90	50.73	51.07
50.83	50.39	50.16	49.88								
47.40	46.74	45.35	43.75	43.52	45.45	47.31	45.24	43.23	42.05	42.27	42.90
41.86	41.65	41.09	40.24	41.04	43.40	45.06	44.72	43.62	42.88	42.59	43.03
42.81	43.38	43.19	42.62	43.19	45.49	47.24	46.46	45.25	44.74	45.25	45.81
45.75	45.68	45.25	44.85	44.93	45.85	46.32	45.70	45.16	44.85	44.95	44.81
44.42	44.33	44.13									
34.67	33.93	32.34	31.20	32.15	34.07	32.24	29.99	28.02	27.29	27.62	26.96
27.24	27.26	26.49	25.97	27.38	29.12	29.20	28.16	27.16	26.74	26.77	26.77
27.83	28.20	27.44	27.10	28.49	30.25	29.68	28.17	27.07	26.82	27.22	27.37
27.60	27.40	26.91	26.73	27.34	27.91	27.43	26.89	26.53	26.40	26.35	26.12
26.19	26.14										
13.51	12.37	10.57	10.20	11.64	10.59	8.71	6.42	4.87	4.80	4.72	5.45
6.10	5.63	3.83	3.82	5.15	5.66	4.97	3.98	3.10	3.12	3.36	4.64
5.51	4.77	3.54	3.54	4.83	4.63	3.23	1.79	0.80	0.91	1.24	1.74
1.83	1.39	0.98	1.07	1.60	1.40	1.02	0.70	0.33	0.42	0.43	0.66
0.78											
-10.83	-12.84	-14.54	-14.02	-13.95	-14.89	-16.87	-18.88	-19.38	-18.79	-17.77	-16.63
-16.65	-19.33	-20.89	-20.36	-19.53	-19.64	-20.35	-21.49	-21.49	-21.05	-19.88	-18.72
-19.23	-21.09	-22.57	-22.18	-21.90	-22.79	-24.20	-25.72	-25.95	-25.52	-24.87	-24.49
-24.76	-25.29	-25.79	-25.45	-25.29	-25.39	-25.58	-26.12	-25.89	-25.62	-25.28	-25.01
-32.76	-35.43	-36.05	-34.77	-34.43	-35.53	-37.47	-38.29	-37.15	-36.10	-34.74	-34.26
-37.15	-39.95	-40.44	-39.50	-38.95	-39.15	-40.25	-40.27	-39.74	-39.02	-37.86	-37.99
-40.00	-42.69	-43.37	-42.66	-42.75	-43.72	-45.39	-45.93	-45.50	-44.87	-44.28	-44.29
-44.82	-45.81	-45.78	-45.27	-45.04	-45.03	-45.60	-45.29	-44.82	-44.45	-44.09	
-46.78	-48.47	-46.24	-44.61	-44.44	-45.76	-46.69	-45.28	-44.50	-43.28	-42.40	-44.69
-48.05	-49.52	-48.71	-47.61	-47.20	-47.94	-47.98	-47.50	-47.47	-46.65	-46.32	-47.94
-51.18	-52.82	-51.85	-51.05	-51.27	-52.64	-53.35	-53.05	-52.62	-51.97	-51.69	-52.06
-53.31	-53.63	-52.88	-52.36	-52.14	-52.57	-52.27	-51.70	-51.41	-51.06		
-47.86	-45.23	-42.65	-41.15	-41.43	-42.23	-40.91	-40.64	-39.92	-38.84	-39.86	-42.88
-44.99	-44.56	-42.16	-42.21	-42.35	-42.40	-42.11	-42.84	-42.61	-41.88	-42.61	-45.54
-47.78	-46.78	-45.24	-44.53	-45.24	-45.95	-45.87	-45.78	-45.24	-44.73	-44.82	-46.01
-46.60	-45.81	-45.12	-44.73	-44.90	-44.68	-44.18	-44.06	-43.80			
-32.03	-29.15	-26.63	-25.70	-26.12	-25.28	-25.63	-25.66	-24.67	-24.01	-25.82	-28.03
-28.14	-26.80	-25.53	-24.99	-25.04	-25.04	-26.38	-26.85	-25.89	-25.46	-27.23	-29.48
-28.75	-26.83	-25.41	-25.10	-25.61	-25.80	-26.10	-25.83	-25.22	-24.98	-25.76	-26.49
-25.87	-25.19	-24.73	-24.57	-24.50	-24.21	-24.30	-24.23				
-7.96	-5.03	-3.05	-2.96	-2.86	-3.80	-4.62	-4.02	-1.72	-1.70	-3.41	-4.06
-3.18	-1.91	-0.78	-0.81	-1.12	-2.76	-3.87	-2.92	-1.35	-1.36	-2.99	-2.75
-0.96	0.89	2.15	2.01	1.59	0.95	0.83	1.40	1.91	1.81	1.12	1.38
1.86	2.28	2.75	2.63	2.62	2.32	2.17					
17.79	20.35	20.99	20.24	18.94	17.48	17.50	20.92	22.91	22.24	21.18	21.32
22.23	23.68	23.68	23.12	21.62	20.14	20.80	23.17	25.07	24.56	24.21	25.35
27.14	29.09	29.38	28.83	28.00	27.51	27.86	28.54	29.18	28.74	28.54	28.67
28.91	29.60	29.31	28.96	28.53	28.18						
38.19	39.24	37.79	36.45	34.71	34.10	37.78	41.36	41.99	40.78	40.09	40.34
41.74	41.77	41.09	40.17	38.69	38.86	41.43	44.87	45.73	44.83	44.94	46.18
48.32	49.00	48.46	47.65	46.90	46.91	47.58	48.85	48.31	48.16	47.87	47.86
48.58	48.19	47.58	47.12	46.65							
46.89	45.08	44.09	42.53	41.40	44.33	48.62	50.50	49.47	48.06	47.54	48.49
48.53	47.92	47.88	46.83	46.42	48.48	52.62	54.72	53.48	52.45	52.73	54.48
55.39	55.01	54.47	53.63	53.28	53.74	55.35	55.75	54.79	54.13	53.84	54.40
54.01	53.29	52.92	52.46								
40.25	39.90	38.98	37.61	38.90	42.76	45.46	44.91	43.12	41.90	42.09	42.15
41.79	42.72	42.42	41.49	42.42	46.16	49.02	47.75	45.78	44.94	45.78	46.69
46.59	46.47	45.78	45.13	45.25	46.76	47.52	46.51	45.63	45.13	45.35	45.06
44.42	44.27	43.95									
25.16	25.19	23.93	23.09	25.40	28.23	28.36	26.65	25.03	24.34	24.40	24.40
26.12	26.72	25.49	24.94	27.20	30.08	29.14	26.69	24.88	24.48	25.13	25.37
25.75	25.42	24.63	24.33	25.32	26.26	25.46	24.60	24.00	23.80	23.71	23.34
23.45	23.37										
4.74	3.97	1.04	1.01	3.19	4.03	2.90	1.28	-0.16	-0.12	0.27	2.37
3.78	2.57	0.56	0.57	2.66	2.35	0.07	-2.29	-3.91	-3.72	-3.19	-2.37
-2.23	-2.95	-3.61	-3.47	-2.59	-2.93	-3.54	-4.07	-4.68	-4.53	-4.51	-4.13
-3.93											
-17.01	-21.38	-23.93	-23.07	-21.71	-21.89	-23.05	-24.90	-24.90	-24.18	-22.27	-20.38
-21.22	-24.25	-26.63	-26.03	-25.58	-27.04	-29.33	-31.81	-32.19	-31.48	-30.42	-29.80
-30.24	-31.11	-31.93	-31.37	-31.12	-31.27	-31.59	-32.46	-32.10	-31.65	-31.10	-30.65
-38.10	-42.67	-43.48	-41.94	-41.05	-41.37	-43.16	-43.19	-42.33	-41.15	-39.27	-39.48
-42.77	-47.16	-48.26	-47.10	-47.25	-48.83	-51.56	-52.44	-51.74	-50.71	-49.75	-49.76
-50.62	-52.25	-52.19	-51.37	-50.99	-50.97	-51.90	-51.40	-50.62	-50.03	-49.44	
-49.91	-52.31	-51.00	-49.19	-48.53	-49.74	-49.80	-49.02	-48.97	-47.62	-47.09	-49.73
-55.02	-57.71	-56.12	-54.81	-55.16	-57.40	-58.57	-58.08	-57.38	-56.31	-55.86	-56.46
-58.51	-59.01	-57.80	-56.95	-56.58	-57.30	-56.79	-55.87	-55.41	-54.82		
-47.04	-46.34	-44.05	-42.50	-42.74	-42.82	-42.35	-43.54	-43.15	-41.96	-43.16	-47.94
-51.59	-49.97	-47.45	-46.38	-47.45	-48.61	-48.48	-48.33	-47.45	-46.62	-46.77	-48.70
-49.68	-48.38	-47.25	-46.61	-46.90	-46.54	-45.72	-45.52	-45.11			
-29.23	-27.05	-24.98	-24.10	-24.17	-24.17	-26.37	-27.14	-25.57	-24.86	-27.75	-31.42
-30.23	-27.09	-24.78	-24.23	-25.11	-25.41	-25.90	-25.47	-24.46	-24.08	-25.34	-26.55
-25.53	-24.42	-23.66	-23.40	-23.29	-22.81	-22.96	-22.85				
-2.87	-0.81	1.03	0.99	0.48	-2.20	-4.00	-2.46	0.11	0.09	-2.58	-2.17
0.74	3.76	5.82	5.99	4.90	3.86	3.67	4.59	5.44	5.26	4.14	4.57
5.35	6.03	6.80	6.61	6.58	6.10	5.85					
23.45	25.83	25.82	24.91	22.47	20.05	21.13	24.99	28.09	27.26	26.69	28.55
31.48	34.66	35.13	34.23	32.87	32.08	32.64	33.76	34.80	34.09	33.77	33.97
34.36	35.49	35.02	34.45	33.74							
43.63	43.67	42.57	41.07	38.66	38.93	43.13	48.73	50.14	48.67	48.86	50.87
54.37	55.48	54.59	53.28	52.05	52.06	53.16	55.24	55.17	54.11	53.63	53.61
54.79	54.15	53.16	52.40	51.65							
49.72	48.73	48.67	46.95	46.27	49.64	56.40	59.83	57.80	56.12	56.58	59.43
60.92	60.30	59.41	58.04	57.47	58.23	60.85	61.50	59.94	58.86	58.39	59.30
58.66	57.48	56.89	56.14								

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The persons whose si
...Richard Deane Tex
study only and that n
available, may be publ
.....

NAME

Robert Robinson
Benny Lee
Kate Zumbardo
T. Good
Norm King

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146215

-10.74	-6.32	-7.35	-9.40	4.54	2.24	1.00	4.93	11.20	11.35	-1.76	-1.48
-16.02	-5.83	-0.77	-1.62	20.24	15.71	12.50	-51.04	23.97	14.65	-4.19	-11.92
-10.14	-7.14	0.37	-1.02	14.23	6.21	5.30	11.85	11.91	4.44	-9.96	-24.52
-24.48	-13.14	-12.03	-9.64	11.59	-5.80	-5.30	10.80	19.60	32.87	1.56	11.68
-24.93	-13.87	-27.64	-9.64	-37.06	-35.34	-3.56	17.58	46.27	25.95	28.78	36.29
11.71	-22.14	-55.63	-52.21	-37.06	-41.51	32.12	30.18	14.68	-4.27	-29.74	-43.93
33.88	23.71	24.77	49.66	52.72	-16.20	-3.97	35.79	40.89	25.98	-16.31	-35.44
-61.07	-65.60	-52.85	-44.12	-14.60	-16.07	31.18	57.20	50.51	29.82	-22.49	-34.96
-42.05	-25.83	-25.83	-30.20	5.20	25.69	32.11	46.63	31.67	15.02	21.19	-57.81
-43.02	-9.27	18.74	24.17	48.43	18.60	7.19	24.31	12.53	-0.02	-23.19	-48.86
-51.12	-23.16	7.73	8.25	32.14	6.95	-9.30	5.77	8.47	-15.90	-50.70	-72.46
-64.06	-26.86	4.89	17.06	32.19	61.24	34.22	38.18	30.76	5.91	-13.25	-53.30
-75.89	-19.55	39.19	53.27	79.78	14.08	0.74	22.85	16.47	-11.17	-45.66	-74.44
-76.47	-34.84	-13.31	-12.09	25.09	58.16	67.30	87.74	79.33	60.54	17.72	-33.92
-89.69	-37.31	-6.30	-0.91	65.81	13.12	-1.91	17.14	1.92	-16.18	-54.81	-85.58
-60.34	-37.31	-36.28	-1.54	42.39	39.20	16.16	17.49	8.98	-6.38	-36.59	-59.02
-78.60	-13.09	7.83	16.93	68.01	37.80	-0.14	18.00	15.04	-8.87	-75.52	-90.71
-52.43	11.98	24.78	39.33	48.77	25.79	13.76	46.97	30.10	-26.76	-86.08	-132.94
-64.89	-16.69	15.91	29.38	49.24	62.00	22.61	24.89	1.36	-32.64	-56.35	-98.62
-99.76	7.16	58.06	75.16	98.39	9.99	-11.89	14.68	4.44			
-56.62	20.09	30.14	33.15	68.64							

SEASONAL ANALYSIS FOR FREQUENCY 1*PI/6 N 249 B 0.96 M 60

EVOLVING SEASONAL FACTORS

5.66	0.46	-4.87	-8.88	-10.49	-9.33	-5.71	-0.56	4.72	8.76	10.50	9.47
9.88	0.68	-4.78	-8.98	-10.72	-9.52	-5.70	-0.25	5.30	9.48	11.20	10.14
8.24	0.44	-5.68	-10.46	-12.53	-11.32	-7.04	-0.75	5.90	11.19	13.71	12.68
11.45	1.48	-5.87	-11.87	-14.95	-14.26	-9.85	-2.81	5.07	11.89	15.83	15.73
10.82	3.94	-4.80	-12.50	-16.66	-16.76	-12.14	-4.00	5.40	13.43	17.67	16.77
7.08	1.57	-8.29	-15.86	-18.79	-15.99	-3.10	2.69	13.30	20.66	22.49	17.97
3.45	4.59	-16.58	-24.43	-25.92	-20.26	-3.87	5.24	18.18	26.37	27.39	20.63
-1.86	-7.63	-21.18	-28.95	-28.64	-20.26	-6.01	10.25	23.87	30.94	29.32	19.24
-7.09	-13.36	-26.79	-32.40	-28.71	-16.80	-0.04	16.92	29.30	33.70	28.79	15.75
-11.56	-19.17	-31.37	-34.74	-28.26	-13.75	4.70	22.02	33.31	35.46	27.78	12.19
-14.36	-24.76	-35.31	-36.99	-27.78	-10.71	9.51	27.32	37.77	37.99	27.80	9.70
-18.42	-30.19	-40.91	-40.58	-22.07	-9.54	12.74	31.85	42.65	42.32	30.96	11.39
-23.98	-31.11	-43.16	-43.65	-32.44	-12.59	10.65	31.20	43.48	44.27	33.28	13.22
-29.98	-32.12	-45.17	-46.21	-34.81	-14.08	10.45	32.31	45.52	46.65	35.37	14.64
-36.42	-31.80	-44.80	-45.27	-33.07	-11.67	12.94	33.82	45.02	43.56	36.89	7.22
-43.81	-39.17	-49.06	-45.14	-28.44	-3.76	22.04	41.30	49.88	44.13	26.14	0.78
-52.01	-44.09	-51.06	-43.80	-24.23	2.17	28.18	46.65	52.46	43.95	23.37	-3.93
-60.65	-49.44	-54.82	-45.11	-22.85	5.85	33.17	51.65	56.14	45.38	22.12	-7.63
-69.81	-54.52	-58.32	-45.85	-20.55	10.34	38.26	55.63	57.76	44.31	19.10	-11.10
-79.16	-54.76	-56.48	-42.80	-17.68	11.82	37.76	53.32	54.39	41.04	16.98	-11.51

LOWER TRIANGULAR FACTORS

22.88	20.92	18.13	17.50	19.59	19.69	18.59	17.16	14.72	14.36	14.46	14.91
15.02	14.32	13.22	12.99	13.88	13.23	12.08	10.68	9.73	9.68	9.64	10.09
10.48	10.19	9.08	9.08	9.40	10.21	9.79	9.18	8.64	8.65	8.80	9.59
7.87	9.67	8.51	8.92	9.70	9.58	8.73	7.84	7.23	7.30	7.50	7.81
7.22	7.59	7.35	7.40	7.73	7.60	7.37	7.17	6.94	7.00	7.01	7.15
-0.58	-4.20	-7.20	-6.93	-6.23	-6.47	-7.31	-10.62	-11.40	-11.03	-10.22	-9.53
-9.73	-10.97	-12.01	-11.69	-11.64	-12.22	-13.44	-14.67	-14.97	-14.61	-13.99	-13.29
-13.30	-14.94	-15.90	-15.57	-15.06	-15.13	-15.57	-16.26	-16.26	-15.99	-15.28	-14.57
-14.38	-16.02	-16.93	-16.69	-16.52	-17.06	-17.93	-18.86	-19.00	-18.73	-18.34	-18.10
-18.27	-18.59	-18.90	-18.69	-18.60	-18.66	-18.77	-19.10	-18.96	-18.80	-18.59	-18.42
-25.35	-30.07	-31.85	-30.71	-29.93	-29.91	-33.23	-34.24	-33.68	-32.72	-31.59	-31.20
-32.23	-33.86	-34.25	-33.46	-33.25	-33.93	-35.11	-35.62	-34.92	-34.29	-33.45	-33.15
-34.92	-36.63	-36.34	-36.36	-36.02	-36.15	-36.82	-36.83	-36.51	-36.06	-35.36	-35.44
-36.67	-38.32	-38.73	-38.30	-38.35	-38.95	-39.97	-40.30	-40.04	-39.65	-39.29	-39.30
-39.62	-40.23	-40.21	-39.90	-39.76	-39.75	-40.10	-39.91	-39.62	-39.39	-39.17	
-44.83	-48.33	-47.03	-45.36	-44.40	-46.81	-47.79	-47.18	-46.32	-45.04	-44.10	-44.62
-46.44	-47.48	-46.11	-45.11	-45.01	-45.82	-46.39	-45.52	-45.05	-44.30	-43.76	-45.17
-47.22	-48.12	-47.63	-46.95	-46.70	-47.16	-47.18	-46.89	-46.87	-46.36	-46.16	-47.15
-49.14	-50.15	-49.55	-49.06	-49.19	-50.03	-50.47	-50.29	-50.02	-49.62	-49.45	-49.68
-50.45	-50.64	-50.18	-49.86	-49.73	-49.99	-49.80	-49.46	-49.28	-49.06		
-51.76	-50.65	-48.49	-46.78	-47.52	-48.20	-47.70	-47.19	-46.10	-44.85	-44.67	-46.18
-47.63	-46.02	-44.44	-43.52	-43.89	-44.18	-43.37	-43.20	-42.76	-42.10	-42.73	-44.58
-45.87	-45.61	-44.75	-44.17	-44.26	-44.28	-44.11	-44.56	-44.41	-43.96	-44.41	-46.21
-47.58	-46.97	-46.02	-45.62	-46.02	-46.46	-46.41	-46.36	-46.03	-45.71	-45.77	-46.49
-46.86	-46.37	-45.95	-45.71	-45.82	-45.68	-45.37	-45.30	-45.14			
-40.58	-38.50	-36.46	-35.18	-35.33	-35.10	-35.11	-34.54	-33.29	-32.40	-33.15	-34.65
-33.22	-31.46	-29.51	-29.34	-29.60	-29.82	-29.30	-29.32	-28.71	-28.31	-29.41	-30.77
-30.84	-30.02	-29.24	-29.91	-29.94	-29.84	-29.76	-29.05	-28.46	-28.20	-29.28	-31.66
-31.21	-30.03	-29.17	-29.93	-29.89	-29.40	-29.59	-28.99	-28.49	-28.05	-29.38	-29.83
-29.45	-29.03	-28.75	-28.65	-28.61	-28.43	-28.48	-28.44				
-18.27	-16.44	-13.33	-12.87	-13.00	-13.58	-13.72	-12.83	-11.41	-11.13	-12.26	-11.43

The persons whose si
... Richard Deane, Tex
study only and that n
available, may be publ
.....

NAME
Peter M. Robinson
Benny Lee
Katie Jumbo
T. Good
Harrison King

Until 2/3/75
staff and students
consent of the aut

** ESTIMATION OF AN EVOLVING & STABLE SEASONAL PATTERN **

MODEL: X(T)=TREND+SEASONAL+RESIDUAL

DATA: BANK ADVANCES

NUMBER OF OBSERVATIONS: 261

FILTERING METHOD: MOVING AVERAGE

ORIGINAL SERIES

478.00	480.70	482.70	480.30	480.40	489.70	497.10	509.30	518.60	518.90	550.80	561.50
571.30	537.90	600.10	607.00	615.30	617.10	625.50	648.10	663.30	672.00	700.40	712.90
725.90	743.10	762.20	775.10	794.10	793.50	790.20	802.50	817.00	824.10	853.80	855.90
859.30	803.00	885.60	884.10	873.30	873.40	868.90	897.60	904.10	923.70	948.10	949.50
959.20	975.80	986.20	989.60	987.40	985.30	997.90	1023.70	1026.20	1062.30	1102.30	1094.50
1126.30	1162.60	1189.70	1220.60	1206.30	1236.20	1259.20	1248.20	1240.80	1270.90	1313.90	1345.60
1402.40	1459.00	1519.40	1531.30	1564.40	1598.20	1616.60	1620.80	1629.30	1655.80	1655.40	1635.10
1612.20	1594.30	1562.50	1526.90	1485.80	1458.70	1431.30	1422.60	1436.10	1449.60	1486.40	1494.20
1519.00	1575.30	1599.50	1604.40	1583.10	1587.00	1605.10	1646.30	1670.70	1690.40	1749.50	1783.90
1822.30	1871.50	1888.90	1892.70	1863.60	1871.20	1879.90	1927.80	1967.20	1981.70	2015.40	1999.60
2008.80	2024.60	2009.10	1990.30	1992.60	1908.70	1909.10	1929.40	1952.50	1944.80	1959.50	1937.80
1919.70	1929.90	1912.10	1894.70	1867.60	1838.00	1819.10	1853.40	1884.10	1896.80	1913.00	1890.10
1878.50	1901.50	1915.40	1904.10	1883.80	1878.00	1890.70	1972.10	2034.30	2060.20	2097.70	2088.40
2067.40	2074.00	2065.80	2037.50	2014.00	1969.80	1943.20	1983.10	2004.60	2007.10	2046.60	2039.80
2033.70	2066.10	2073.00	2061.20	2045.80	2039.00	2047.80	2125.50	2180.90	2211.10	2300.80	2312.90
2337.90	2369.60	2366.90	2350.70	2307.70	2251.30	2216.00	2227.50	2216.10	2238.00	2269.60	2229.80
2207.30	2224.70	2211.80	2197.80	2164.60	2141.70	2158.20	2233.80	2265.60	2286.80	2351.20	2337.00
2329.10	2345.60	2351.90	2348.20	2333.30	2322.90	2340.50	2415.50	2439.40	2464.80	2483.00	2479.60
2450.60	2478.30	2485.70	2473.60	2419.90	2418.50	2459.60	2525.80	2577.70	2609.90	2648.80	2644.70
2652.20	2708.60	2718.70	2690.20	2660.10	2642.70	2704.30	2837.60	2913.20	2955.10	3004.80	2995.70
2983.20	3010.80	3009.30	2994.90	2990.60	2967.10	3025.40	3124.00	3155.70	3182.80	3243.00	3203.10
3209.90	3261.40	3278.50	3303.70	3274.80	3253.00	3307.70	3440.10	3495.80			

SMOOTHED SERIES

507.89	516.24	525.60	535.77	546.67	557.60	568.26	579.39	591.20	603.61	616.22	628.77
641.52	654.42	667.65	681.40	695.86	710.66	724.87	738.17	751.00	763.75	776.47	788.82
800.34	808.39	816.03	825.72	833.56	840.19	846.79	854.04	861.63	869.41	877.49	885.32
893.38	904.74	916.13	924.72	933.87	943.29	953.32	963.95	974.29	985.16	997.36	1009.82
1022.83	1037.57	1052.94	1071.94	1090.71	1110.30	1131.60	1151.80	1170.10	1187.73	1205.24	1224.52
1246.49	1270.34	1296.43	1323.11	1350.96	1380.94	1410.96	1441.42	1473.13	1505.35	1535.62	1561.91
1582.72	1597.09	1604.53	1606.14	1602.68	1593.59	1580.08	1564.12	1547.82	1531.17	1515.54	1502.63
1492.87	1488.20	1488.95	1493.72	1501.00	1510.40	1522.97	1539.51	1558.61	1578.42	1599.41	1622.44
1647.15	1672.13	1696.53	1720.60	1744.30	1767.83	1791.12	1814.30	1838.39	1862.88	1886.09	1906.16
1922.92	1937.07	1948.46	1957.53	1966.97	1973.91	1976.69	1977.97	1977.43	1975.28	1971.41	1966.51
1960.22	1952.56	1944.57	1936.55	1927.36	1919.20	1912.51	1905.59	1899.57	1894.72	1890.79	1886.86
1883.16	1880.26	1879.21	1879.74	1880.81	1883.15	1887.80	1895.73	1906.93	1920.00	1934.50	1950.46
1966.59	1981.65	1995.11	2006.93	2017.92	2027.16	2033.18	2035.82	2035.04	2031.59	2027.25	2023.10
2019.67	2017.94	2017.91	2019.19	2021.51	2025.72	2032.96	2043.25	2056.53	2072.37	2091.46	2113.44
2137.49	2162.81	2187.70	2212.01	2234.99	2254.74	2270.60	2281.86	2287.57	2290.16	2285.98	2285.22
2275.34	2264.88	2252.38	2239.54	2227.21	2216.68	2209.71	2207.56	2209.88	2213.98	2219.41	2227.28
2236.80	2246.89	2257.77	2269.87	2283.19	2297.80	2312.94	2328.11	2342.92	2357.58	2370.49	2381.92
2332.93	2403.52	2414.62	2425.42	2434.23	2441.80	2450.74	2460.30	2470.66	2482.47	2495.42	2509.21
2524.49	2542.48	2561.79	2580.52	2599.56	2618.91	2638.44	2661.63	2688.60	2716.96	2746.18	2775.64
2804.06	2830.44	2855.14	2879.94	2906.41	2933.70	2960.59	2985.91	3007.94	3027.54	3046.95	3065.72
3084.02	3103.91	3125.56	3149.65	3174.36	3198.11	3221.78	3246.72	3274.06			

FILTERED SERIES

AL

The persons whose sit
...Richard Deane, Tex
study only and that n
available, may be publ
.....

NAME

Robert Robinson
Benny Lee
Katie Jankov
T. Good
Gavin King

Until 2/4/75
staff and students
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SUMMARY OF SEASONAL ADJUSTMENT USING A STABLE COMPONENT - LAST 240 OBSERVATIONS

SEASONAL											
11.46	-41.07	-88.92	-90.68	-28.97	-0.31	15.41	68.25	36.54	24.41	46.84	47.02
TOTAL VARIANCE 204.04											
RESIDUALS											
-6.22	40.47	64.48	60.01	15.00	-6.49	-35.61	-56.88	-34.54	-20.85	-36.34	-22.32
8.81	78.87	94.85	73.01	8.43	16.29	-33.88	-15.02	-17.81	13.19	-160.14	11.48
8.41	41.77	55.95	51.39	11.10	-26.18	-14.61	-41.92	-22.17	-13.18	-22.87	-23.82
-0.59	20.47	39.79	42.74	0.94	-53.28	-34.08	-46.65	-63.94	-38.45	-24.80	-9.08
55.04	43.67	116.08	112.38	-11.90	-111.58	-120.77	-137.52	-111.71	-37.35	-14.67	49.85
35.81	99.63	156.15	157.14	71.47	47.03	82.72	32.19	46.39	36.12	16.10	-19.82
-18.92	-16.40	1.35	-27.82	-99.70	-103.25	-102.41	-97.05	-66.77	-30.78	27.36	33.05
42.74	8.07	20.62	5.11	-21.83	-52.78	-74.47	-59.85	-2.11	34.85	71.20	51.62
50.15	-8.00	18.88	2.31	9.97	35.52	33.33	30.82	5.00	48.95	34.96	26.42
6.65	93.80	-37.55	-2.99	-26.39	25.02	-7.64	2.32	-1.11	-9.88	2.80	-22.35
-9.42	-7.26	-6.95	-38.75	-22.36	-10.35	18.96	-3.55	-20.97	-42.04	-32.34	-30.42
-41.82	-60.00	-55.21	-62.69	10.07	76.65	91.76	90.42	83.63	43.05	27.03	13.58
-0.69	15.77	-18.68	-60.02	-40.79	-24.95	-39.57	-17.41	-5.91	-22.44	1.53	-13.91
-31.65	-48.23	-60.41	-85.65	-48.76	-10.98	-19.91	63.75	75.26	111.02	122.30	112.42
108.15	73.14	20.12	-32.95	-44.06	-174.81	-15.74	14.59	-5.57	-28.64	-6.80	-45.35
-41.72	-67.93	-20.74	-66.85	3.07	17.29	17.99	69.79	40.83	9.02	-13.03	-28.55
-30.38	-35.80	-24.55	-20.52	60.21	42.69	69.83	19.52	49.63	-33.31	-2.96	-22.48
-23.08	-114.36	-88.17	-40.38	-0.73	28.69	45.43	30.12	13.83	6.03	46.77	12.49
-63.48	-131.69	-176.78	-110.68	42.74	116.02	136.50	129.09	86.40	21.59	-0.73	-44.28
-77.98	-69.49	-112.61	-21.09	65.67	65.62	49.16	68.72	-16.10	-48.94	-13.90	-39.71

SEASONALLY ADJUSTED SERIES											
595.54	656.36	706.02	716.18	677.07	663.61	656.59	632.15	676.36	701.48	696.26	715.18
763.64	835.17	882.42	880.88	831.47	817.31	808.69	785.55	819.36	834.88	756.16	838.58
872.64	914.36	962.32	959.58	926.57	904.41	908.29	879.85	912.96	934.78	828.96	939.18
978.14	1028.47	1074.22	1088.58	1052.67	1026.51	1046.89	1034.05	1057.96	1101.88	1115.76	1142.68
1209.14	1247.86	1325.12	1348.88	1277.17	1241.11	1255.49	1245.65	1309.06	1377.98	1412.16	1472.38
1519.84	1605.47	1687.12	1707.28	1649.77	1629.81	1640.39	1587.15	1598.56	1587.78	1547.46	1515.48
1515.44	1526.86	1547.52	1522.48	1451.57	1436.41	1434.19	1418.15	1457.66	1494.58	1528.46	1552.48
1592.94	1624.17	1675.92	1695.78	1675.27	1671.01	1674.99	1681.25	1747.36	1797.88	1824.66	1841.88
1881.24	1904.67	1960.12	1970.58	1956.77	1967.51	1966.29	1947.15	1963.06	1984.38	1977.76	1962.08
1978.84	2033.67	1997.62	1999.78	1958.37	1952.81	1929.39	1891.25	1901.26	1895.28	1883.06	1865.08
1883.24	1908.67	1926.92	1909.78	1882.37	1884.41	1881.39	1844.45	1853.56	1854.08	1854.66	1868.38
1852.64	1924.86	1966.92	1981.38	2001.07	2034.61	2044.79	2029.45	2051.86	2042.98	2027.16	2018.78
2026.04	2055.07	2058.72	2033.88	2012.07	2004.91	1991.69	1978.35	2003.26	2009.28	2019.26	2025.98
2049.74	2086.85	2127.92	2138.43	2154.47	2181.21	2195.69	2232.55	2276.36	2313.48	2322.76	2319.88
2339.24	2348.77	2340.22	2306.63	2256.47	2216.41	2222.59	2201.35	2193.26	2183.38	2177.86	2164.78
2186.34	2205.67	2230.62	2248.88	2262.77	2265.91	2271.39	2282.95	2300.46	2304.68	2298.76	2304.88
2336.74	2374.97	2411.32	2431.18	2444.47	2439.71	2449.39	2414.75	2443.06	2426.18	2431.46	2438.68
2462.14	2460.97	2507.42	2550.28	2554.77	2578.01	2594.49	2580.55	2608.16	2627.78	2661.76	2671.68
2678.74	2701.17	2731.62	2794.98	2866.57	2913.51	2939.69	2936.55	2959.16	2958.78	2963.96	2962.28
2983.44	3031.67	3056.02	3116.08	3152.97	3156.01	3167.39	3174.75	3171.56	3185.48	3214.56	3231.48

SUMMARY OF SEASONAL ADJUSTMENT USING A 'MOVING' STABLE COMPONENT - LAST 192 OBSERVATIONS

SEASONAL											
23.33	3.45	-18.21	-26.86	-23.31	-23.99	-20.20	21.34	3.28	13.94	5.98	41.25
25.91	1.06	-19.08	-27.93	-25.71	-27.82	-19.45	20.82	1.50	13.59	12.27	44.83
27.58	-4.01	-24.23	-33.52	-29.86	-30.58	-17.80	22.46	2.96	15.42	22.97	48.60
29.37	-9.07	-32.04	-42.06	-34.34	-31.54	-16.92	24.37	5.48	17.66	36.28	52.80
29.24	-14.25	-43.24	-53.61	-38.48	-28.30	-14.31	29.06	10.15	20.89	46.94	55.92
26.23	-19.22	-58.30	-68.48	-42.06	-20.97	-8.28	37.98	17.26	24.64	54.37	56.83
22.70	-25.23	-74.10	-84.89	-44.61	-12.44	-0.36	49.41	25.82	27.90	59.41	56.36
18.48	-31.27	-87.64	-99.12	-44.72	-3.51	8.25	60.92	33.52	29.20	61.08	54.80
13.66	-37.21	-99.27	-112.04	-45.07	-3.15	16.37	72.82	42.04	31.07	61.74	52.74
10.27	-42.95	-108.19	-122.41	-45.31	6.24	22.03	83.17	49.74	32.87	62.84	51.69
9.68	-48.89	-114.25	-129.85	-45.03	5.39	24.81	90.52	55.88	34.47	65.13	52.15
8.13	-56.54	-121.52	-134.65	-41.64	5.92	28.59	97.84	60.96	34.95	66.55	51.42
5.78	-64.85	-129.20	-136.63	-35.82	8.40	33.35	103.45	64.56	34.13	67.12	49.71
1.52	-75.88	-138.96	-136.82	-27.19	15.09	41.85	108.96	66.86	31.46	66.39	46.72
-5.08	-87.95	-151.57	-137.26	-16.93	25.54	53.19	115.58	68.57	28.22	64.80	42.69
-13.41	-99.60	-164.91	-137.52	-5.47	38.31	65.32	123.16	69.76	24.61	61.88	37.85

RESIDUALS											
43.17	-0.85	45.38	48.56	-17.55	-87.91	-85.16	-90.60	-78.44	-26.87	26.20	55.62
21.36	57.51	86.31	94.40	68.21	74.58	117.53	79.62	81.44	46.94	50.66	-17.63
-35.05	-53.45	-63.30	-84.98	-98.81	-72.99	-69.20	-51.26	-33.19	-21.78	51.23	31.87
-24.83	-23.93	-36.26	-43.50	-16.45	-21.56	-42.14	-15.97	-28.95	41.61	81.75	45.83
32.37	-34.81	-26.79	-34.75	19.48	63.50	63.04	70.01	31.39	52.48	34.86	17.52
-8.12	71.96	-68.16	-25.18	-13.30	45.67	16.05	32.59	18.18	-10.10	-4.73	-32.16
-20.66	-23.10	-21.76	-44.54	-6.72	22.48	34.73	15.29	-10.25	-45.53	-44.91	-39.78
-48.84	-59.79	-56.49	-54.24	25.82	79.84	98.92	97.75	86.65	38.27	12.79	5.80
-2.89	11.91	-8.32	-38.65	-24.69	-28.41	-40.53	-21.98	-11.40	-29.10	-13.37	-19.63
-30.47	-46.34	-41.14	-53.92	-32.42	-17.54	-26.53	48.84	62.06	102.57	106.30	107.75
109.92	80.97	45.45	6.22	-28.00	-80.52	-25.13	-7.68	-24.90	-36.69	-25.09	-50.48
-38.39	-52.46	-48.14	-22.83	15.75	11.06	4.82	40.19	16.42	-1.51	-32.74	-32.95
-24.71	-12.01	15.74	25.44	67.07	33.98	51.89	-15.68	21.62	-43.03	-23.24	-25.17
-13.15	-79.55	-38.13	5.76	-2.51	-38.18	13.28	18.99	-10.59	-16.48	30.22	12.79
-46.94	-84.81	-114.13	-64.09	30.70	90.17	98.72	81.76	54.37	17.79	-18.69	-40.15
-53.12	-10.96	-36.61	25.76	42.18	26.99	-0.75	13.81	-49.33	-49.14	-28.94	-30.54

SEASONALLY ADJUSTED SERIES											
1197.26	1203.35	1254.41	1285.06	1271.51	1264.79	1291.10	1292.56	1342.32	1388.46	1453.02	1478.15
1505.39	1563.34	1617.28	1644.53	1646.51	1657.11	1675.25	1634.58	1633.60	1598.61	1582.03	1517.67
1499.32	1489.81	1482.93	1465.32	1452.46	1466.68	1467.40	1463.94	1491.24	1503.58	1552.33	1550.90
1575.03	1592.17	1619.04	1647.16	1680.64	1702.24	1707.32	1725.13	1778.42	1804.64	1835.22	1836.10
1863.46	1877.85	1914.44	1933.51	1966.28	1995.50	1996.00	1986.34	1989.45	1987.91	1977.66	1953.18
1964.07	2011.82	1947.00	1977.58	1971.46	1973.47	1953.08	1921.52	1920.54	1895.06	1875.53	1855.27
1872.00	1892.83	1912.10	1903.99	1898.01	1896.54	1897.16	1863.59	1864.28	1850.60	1842.09	1859.02
1885.62	1915.07	1945.64	1989.82	2016.82	2037.81	2051.95	2036.78	2054.88	2038.20	2012.92	2010.99
2023.84	2051.21	2069.07	2055.24	2028.17	2001.45	1990.73	1973.78	1997.76	2002.63	2004.36	2020.26
2059.93	2088.75	2147.19	2170.21	2170.81	2174.66	2189.07	2217.63	2263.16	2305.03	2306.76	2315.21
2341.02	2356.59	2365.54	2345.85	2272.53	2210.71	2213.19	2179.08	2173.32	2173.33	2159.57	2159.65
2189.67	2221.14	2263.22	2292.85	2275.44	2259.68	2258.21	2253.36	2276.04	2294.15	2279.05	2300.48
2342.42	2398.75	2452.10	2477.13	2451.32	2431.00	2431.45	2379.55	2415.04	2416.47	2411.18	2435.99
2472.08	2495.78	2557.46	25								

SEASONAL ANALYSIS FOR FREQUENCY $6\pi/6$

2335.53	2363.91	2374.21	2351.43	2267.51	2217.58	2209.93	2167.96	2167.51	2176.29	2159.88	2165.08
2154.36	2239.86	2281.34	2295.03	2256.72	2248.41	2239.94	2236.46	2267.66	2301.65	2283.96	2312.39
2354.34	2424.61	2474.07	2475.50	2424.59	2406.56	2401.80	2364.48	2407.76	2427.70	2417.15	2448.48
2487.80	2527.23	2587.54	2597.29	2527.59	2531.66	2535.35	2522.41	2572.98	2628.87	2645.41	2682.27
2713.55	2775.90	2829.01	2846.24	2830.58	2855.65	2872.09	2868.86	2924.39	2960.91	2951.02	2977.33
3021.68	3104.28	3156.69	3163.13	3110.00	3096.95	3102.22	3107.77	3144.93	3192.74	3203.75	3246.84

ESTIMATED SPECTRA USING AN EVOLVING SEASONAL

LAG	ORIGINAL	FILTERED	RESIDUAL	ADJUSTED
0	2.147199E 05	1.485392E 02	1.358368E 02	2.146491E 05
1	5.892811E 05	3.565015E 02	3.307751E 02	5.898026E 05
2	8.403594E 04	9.230110E 02	8.668430E 02	8.461681E 04
3	1.589881E 04	1.479917E 03	1.407421E 03	1.620396E 04
4	5.351320E 03	1.630390E 03	1.507090E 03	5.478203E 03
5	2.079968E 03	1.566491E 03	1.225089E 03	2.108608E 03
6	1.422912E 03	2.565865E 03	8.866770E 02	1.351942E 03
7	2.110773E 03	6.194590E 03	5.934976E 02	1.760313E 03
8	2.485624E 03	9.260852E 03	4.194316E 02	1.831828E 03
9	1.604181E 03	7.060934E 03	4.263091E 02	1.011691E 03
10	5.733806E 02	2.740390E 03	4.737153E 02	2.860813E 02
11	1.558004E 02	7.417571E 02	4.091782E 02	7.914992E 01
12	6.380046E 01	2.949771E 02	2.682739E 02	5.602979E 01
13	6.426088E 01	2.230702E 02	1.658527E 02	4.892645E 01
14	1.520349E 02	5.177898E 02	1.259806E 02	1.022351E 02
15	3.251577E 02	1.205011E 03	1.039510E 02	2.654617E 02
16	3.956934E 02	1.626341E 03	7.445483E 01	3.538335E 02
17	2.525333E 02	1.122176E 03	5.787311E 01	2.287720E 02
18	8.789883E 01	3.827822E 02	5.697238E 01	7.785966E 01
19	2.647615E 01	8.535178E 01	4.821626E 01	2.554407E 01
20	1.545897E 01	4.279796E 01	3.849478E 01	1.590666E 01
21	1.512241E 01	4.359637E 01	3.398120E 01	1.329213E 01
22	2.347601E 01	7.415129E 01	2.779012E 01	1.829694E 01
23	4.525206E 01	1.642026E 02	2.386812E 01	3.594464E 01
24	6.171016E 01	2.499103E 02	2.992416E 01	4.741617E 01
25	4.327393E 01	2.146232E 02	4.183331E 01	3.415747E 01
26	2.446149E 01	1.218109E 02	4.978232E 01	1.596976E 01
27	1.472050E 01	7.884023E 01	5.193149E 01	9.759148E 00
28	1.344325E 01	7.059222E 01	5.141008E 01	9.857832E 00
29	1.448536E 01	7.409692E 01	5.123305E 01	1.091775E 01
30	2.816133E 01	1.230842E 02	4.565579E 01	2.130676E 01
31	6.507425E 01	2.557126E 02	3.089070E 01	5.179996E 01
32	9.084296E 01	3.486631E 02	2.151228E 01	7.144592E 01
33	6.989586E 01	2.586572E 02	2.670827E 01	5.027356E 01
34	3.494814E 01	1.131154E 02	3.284610E 01	2.072787E 01
35	1.776599E 01	4.675243E 01	2.864610E 01	9.781139E 00
36	1.145549E 01	2.677164E 01	2.006586E 01	7.175249E 00
37	9.600322E 00	2.210081E 01	1.555968E 01	6.060616E 00
38	1.165347E 01	3.274574E 01	1.455300E 01	6.836872E 00
39	1.719266E 01	5.822359E 01	1.237246E 01	9.762767E 00
40	1.966324E 01	7.502393E 01	1.244583E 01	1.117354E 01
41	1.489303E 01	6.923364E 01	2.646576E 01	8.815610E 00
42	1.096705E 01	7.251019E 01	5.691829E 01	7.918898E 00
43	1.097239E 01	9.196771E 01	8.496710E 01	8.920773E 00
44	1.029430E 01	1.037169E 02	9.640331E 01	8.231909E 00
45	8.991178E 00	1.089059E 02	9.706055E 01	7.164331E 00
46	8.328816E 00	1.143368E 02	8.359540E 01	9.478306E 00
47	7.497856E 00	1.144034E 02	5.344568E 01	1.775259E 01
48	6.957163E 00	1.124113E 02	3.572406E 01	2.351071E 01

72695

72694

1.19	1.25	1.30	1.35	1.40	1.43	1.45	1.48	1.50	1.51	1.52
1.52	1.52	1.53	1.53	1.51	1.53	1.55	1.57	1.64	1.68	1.72
1.77	1.81	1.88	1.94	2.00	2.08	2.16	2.23	2.42	2.52	2.62
2.73	2.84	2.94	3.06	3.18	3.29	3.40	3.51	3.74	3.86	3.97
4.09	4.20	4.31	4.42	4.53	4.63	4.74	4.85	4.95	5.18	5.29
5.41	5.52	5.64	5.78	5.90	6.03	6.17	6.31	6.44	6.70	6.80
6.91	7.01	7.08	7.16	7.24	7.29	7.35	7.40	7.44	7.53	7.57
7.62	7.66	7.71	7.76	7.81	7.86	7.92	7.97	8.03	8.16	8.22
8.29	8.36	8.43	8.50	8.57	8.64	8.72	8.78	8.85	8.99	9.05
9.13	9.19	9.23	9.30	9.35	9.38	9.43	9.47	9.49	9.56	9.58
9.61	9.64	9.64	9.67	9.68	9.68	9.69	9.69	9.68	9.68	9.67
9.67	9.67	9.66	9.67	9.67	9.66	9.66	9.66	9.64	9.64	10.12
10.13	10.14	10.12	10.12	10.11	10.09	10.07	10.06	10.02	10.00	9.97
9.90	9.86	9.82	9.79	9.76	9.72	9.70	9.67	9.65	9.64	9.65
9.68	9.71	9.76	9.83	9.91	9.99	10.09	10.19	10.29	10.41	10.53
10.75	10.86	10.95	11.06	11.16	11.24	11.35	11.45	11.53	11.62	11.71
11.88	11.97	12.02	12.09	12.17	12.19	12.23	12.28	12.29	12.31	12.33

THETA COEFFICIENTS

-1.07	-1.07	-1.06	-1.05	-1.04	-1.03	-1.01	-1.00	-0.98	-0.97	-0.95	-0.92
-0.90	-0.87	-0.84	-0.80	-0.76	-0.72	-0.69	-0.66	-0.64	-0.65	-0.65	-0.68
-0.73	-0.78	-0.87	-0.99	-1.12	-1.26	-1.39	-1.52	1.51	1.41	1.32	1.23
1.17	1.10	1.05	1.01	0.97	0.93	0.91	0.88	0.86	0.84	0.83	0.83
0.83	0.84	0.85	0.87	0.84	0.87	0.91	0.93	0.99	1.03	1.07	1.10
1.13	1.16	1.13	1.21	1.23	1.24	1.26	1.28	1.29	1.31	1.33	1.34
1.36	1.37	1.39	1.40	1.41	1.42	1.42	1.43	1.44	1.44	1.44	1.45
1.45	1.45	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.47	1.46	1.46
1.46	1.46	1.46	1.46	1.45	1.45	1.45	1.44	1.44	1.44	1.44	1.44
1.45	1.45	1.46	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.52	1.53
1.54	1.55	1.56	1.56	-1.57	-1.56	-1.56	-1.55	-1.54	-1.54	-1.53	-1.53
-1.53	-1.52	-1.52	-1.52	-1.52	-1.51	-1.51	-1.51	-1.52	-1.52	-1.52	-1.52
-1.52	-1.53	-1.53	-1.53	-1.54	-1.54	-1.54	-1.55	-1.55	-1.56	-1.57	-1.57
1.56	1.56	1.55	1.54	1.53	1.52	1.52	1.51	1.50	1.49	1.48	1.47
1.46	1.45	1.44	1.44	1.43	1.43	1.42	1.42	1.42	1.41	1.41	1.40
1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
1.40	1.40	1.40	1.40	1.39	1.39	1.39	1.39	1.39	1.38	1.38	1.38
1.37	1.37	1.36	1.36	1.35	1.35	1.34	1.34	1.33	1.33	1.32	1.32
1.31	1.31	1.30	1.30	1.29	1.29	1.28	1.27	1.27	1.26	1.26	1.25
1.24	1.24	1.23	1.23	1.22	1.22	1.21	1.21	1.20	1.20	1.20	1.20

SEASONAL ANALYSIS FOR FREQUENCY 5*PI/6 N 249 R 0.96 M 60

FILTERED SERIES

-1.23	-1.41	1.66	-3.09	2.24	-0.84	-0.24	0.30	-1.64	1.35	-1.11	0.71
-0.54	-0.10	0.03	-1.12	0.46	-0.38	1.36	-0.15	-0.18	0.66	-0.94	1.72
-0.38	5.86	-8.93	5.53	3.05	-8.38	11.50	-12.82	9.99	-4.87	-2.16	9.11
-14.09	8.69	-1.02	-1.31	2.17	-2.98	1.75	-1.23	0.96	-1.47	-1.08	2.82
-4.87	2.13	-1.86	-2.59	5.03	-7.77	5.03	1.26	-3.41	5.97	-6.68	2.05
-2.26	-1.92	1.12	-1.20	-1.35	-0.72	2.54	-4.56	-2.85	-1.40	-3.49	3.30
1.76	-6.49	0.38	3.62	2.99	2.46	1.60	-0.34	-0.31	1.54	-4.38	0.60
-2.99	-5.60	1.83	-5.61	2.86	-3.58	-3.00	0.82	-3.53	3.87	-5.55	1.67
-0.69	-1.02	3.61	-4.57	5.05	-3.84	2.07	0.48	-4.71	6.86	-4.62	7.45
-1.86	0.65	6.07	-6.53	4.51	3.73	-2.65	3.85	-0.37	-0.01	3.82	-4.53
0.69	-4.49	1.65	1.71	-2.28	0.16	-0.92	1.87	-4.12	2.93	-2.78	1.87
-0.49	-1.93	0.53	-2.13	2.09	-4.04	0.29	-3.01	-1.61	2.09	-4.87	3.45
-1.45	1.21	2.56	-2.38	3.26	0.22	2.85	-1.59	1.26	1.58	-2.21	1.87
-2.48	-0.96	0.74	-2.96	2.33	-4.87	0.04	-1.30	-3.77	2.69	-7.38	4.34
-4.30	0.57	4.16	-6.62	9.97	-4.21	5.14	4.51	-1.86	4.97	-1.22	6.30
-1.46	1.38	1.16	-2.72	2.55	-5.30	-0.47	-3.54	-2.34	4.05	-7.35	3.82
-2.56	-0.51	-1.39	-5.22	4.72	-5.51	3.75	-1.03	-1.26	3.55	-1.34	1.75
-0.83	0.51	-1.08	1.97	1.65	-2.35	-0.34	1.72	-4.23	2.71	-2.76	0.40
-0.91	-4.25	5.65	-4.40	1.38	1.39	-4.16	-1.49	-0.83	0.14	-1.13	1.32
0.92	1.16	0.45	-2.14	-0.06	0.61	-0.21	2.92	1.70	-0.98	0.35	1.65
-2.24	-0.94	0.34	-4.49	6.19	-4.32	1.46	-0.72	-5.03			

EVOLVING SEASONAL FACTORS

0.50	-1.70	2.48	-2.65	2.14	-1.06	-0.34	1.71	-2.69	3.01	-2.56	1.42
0.16	-1.77	3.01	-3.51	3.11	-1.85	0.01	1.93	-3.42	4.00	-3.49	2.00
0.06	-2.13	3.59	-4.02	3.31	-1.67	-0.37	2.25	-3.45	3.64	-2.81	1.22
0.67	-2.34	3.31	-3.32	2.37	-0.77	-1.02	2.48	-3.19	2.96	-1.89	0.32
1.28	-2.45	2.90	-2.53	1.42	-0.07	-1.24	2.17	-2.49	2.12	-1.17	-0.08
1.68	-2.07	2.27	-1.80	0.81	0.43	-1.53	2.17	-2.15	1.48	-0.34	-0.93
1.95	-2.40	2.13	-1.21	-0.12	1.43	-2.36	2.62	-2.12	0.98	-0.45	-1.79
2.65	-2.77	2.11	-0.84	-0.69	2.04	-2.84	2.85	-2.06	0.69	0.88	-2.20
2.91	-2.79	1.90	-0.43	-1.05	2.26	-2.78	2.50	-1.52	0.16	1.19	-2.17
2.52	-2.18	1.26	-0.03	-1.18	2.08	-2.44	2.19	-1.39	0.23	1.01	-2.02
2.53	-2.42	1.70	-0.54	-0.77	1.91	-2.59	2.63	-2.00	0.85	0.54	-1.83
2.87	-2.34	2.26	-1.03	-0.40	1.81	-2.76	3.99	-2.44	1.25	0.30	-1.80
2.86	-3.18	2.67	-1.42	-0.23	1.87	-3.05	3.44	-2.92	1.59	0.19	-1.97
2.66	-3.70	3.15	-1.74	-0.16	2.05	-3.39	3.64	-3.24	1.78	0.15	-2.01
3.32	-3.73	3.17	-1.76	-0.09	1.90	-3.18	3.60	-3.06	1.71	0.08	-1.91
3.18	-3.58	3.01	-1.63	-0.16	1.87	-3.04	3.36	-2.78	1.45	0.22	-1.78
3.08	-3.02	2.42	-1.17	-0.35	1.73	-2.60	3.73	-2.10	0.88	0.56	-1.81
2.34	-2.54	1.84	-0.65	-0.71	1.83	-2.42	3.33	-1.63	0.52	0.68	-1.68
2.33	-2.18	1.59	-0.53	-0.61	1.59	-2.14	3.12	-1.54	0.56	0.57	-1.55
2.14	-2.18	1.54	-0.65	-0.54	1.61	-2.28	2.34	-1.77	0.70	0.55	-1.67

STABLE SEASONAL FACTORS

2.07	-2.59	2.42	-1.59	0.34	1.00	-2.07	2.59	-2.42	1.59	-0.34	-1.00
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VARIANCE OF STABLE PATTERN 0.79

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

0.54	-2.06	3.04	-3.20	2.50	-1.14	-0.54	2.06	-3.04	3.20	-2.50	1.14
0.69	-2.14	3.02	-3.08	2.33	-0.95	-0.69	2.14	-3.02	3.08	-2.33	0.95
1.05	-2.26	2.87	-2.71	1.82	-0.45	-1.05	2.26	-2.87	2.71	-1.82	0.45
1.56	-2.39	2.58	-2.03	1.02	0.31	-1.56	2.39	-2.58	2.03	-0.31	

72685

72686

FILTERED SERIES

-2.65	2.46	2.20	-3.03	2.29	0.80	-3.63	3.78	1.21	-3.80	3.00	0.66
-3.24	2.90	0.97	-2.79	3.22	0.27	-4.66	2.56	1.18	-3.93	2.73	0.45
-4.84	-2.53	6.54	0.08	-10.31	7.80	2.47	-9.00	7.23	-2.14	-8.77	6.13
3.11	-2.64	-0.41	-2.56	4.09	-1.00	-1.35	4.03	-2.76	-0.23	-5.67	-4.90
0.31	-8.03	-5.35	0.96	5.72	-5.02	2.71	0.11	-6.62	-5.19	1.18	-2.83
7.03	-0.42	-2.14	3.75	0.72	-0.19	-0.46	1.53	1.43	-1.34	-3.41	-2.60
-4.97	-5.28	-3.64	-2.72	-3.78	-4.76	-0.31	0.18	-0.57	-0.27	-2.86	2.86
0.60	6.70	3.55	-2.21	3.68	2.76	-0.11	5.30	-0.08	-3.79	6.25	1.62
-4.52	3.44	-0.08	-4.02	3.36	0.32	-4.15	3.61	2.35	-5.14	0.24	-1.40
-5.46	1.64	-1.71	-4.55	7.00	-7.45	-7.87	12.33	-8.12	-7.42	12.10	-6.76
-8.11	12.13	-4.67	-7.52	9.87	-0.27	-6.68	6.51	1.98	-6.15	6.00	0.18
-5.73	7.17	2.28	-6.29	5.09	3.75	-4.22	7.03	3.74	-7.05	6.18	3.78
-9.61	3.68	2.72	-3.66	5.26	0.93	-12.67	5.00	0.32	-11.16	8.56	2.98
-10.08	10.50	2.99	-10.86	9.92	4.73	-8.58	9.95	4.61	-6.42	11.31	3.88
-11.02	0.68	0.48	-11.32	8.18	-3.28	-12.70	6.79	-5.17	-7.87	7.52	-8.81
-6.95	10.61	-5.74	-5.53	12.28	-3.13	-2.03	14.83	-3.85	-7.43	13.96	-1.66
-8.99	11.79	-1.23	-3.10	11.77	-1.10	-3.58	10.73	-1.85	-5.18	7.53	-1.30
-7.09	7.57	0.55	-3.72	4.19	2.05	-3.48	2.66	2.43	-2.18	2.05	1.80
-0.87	4.50	-1.02	-4.62	6.24	-0.98	-4.38	13.17	-0.72	-9.67	12.09	-1.94
-12.23	10.11	-1.24	-3.66	13.23	-2.92	-11.08	10.84	-6.31	-6.42	15.38	-7.22
-9.11	19.52	-6.87	-7.80	15.92	-10.02	-6.05	18.59	-7.72			

EVOLVING SEASONAL FACTORS

-2.20	1.12	1.05	-2.12	1.03	1.06	-2.02	0.91	1.07	-1.90	0.76	1.09
-1.74	0.58	1.11	-1.56	0.36	1.12	-1.34	0.18	1.05	-1.15	0.15	0.88
-1.01	0.26	0.61	-0.91	0.50	0.28	-0.86	0.79	-0.06	-0.80	1.04	-0.37
-0.71	1.25	-0.65	-0.63	1.40	-0.85	-0.54	1.46	-0.97	-0.47	1.47	-1.03
-0.45	1.49	-1.01	-0.51	1.48	-0.98	-0.58	1.57	-0.88	-0.80	1.68	-0.78
-1.01	1.80	-0.71	-1.23	1.96	-0.67	-1.45	2.17	-0.64	-1.72	2.42	-0.59
-2.02	2.59	-0.54	-2.34	2.98	-0.50	-2.66	3.26	-0.49	-2.96	3.56	-0.49
-3.27	3.86	-0.49	-3.56	4.14	-0.50	-3.83	4.43	-0.52	-4.10	4.73	-0.56
-4.36	5.06	-0.64	-4.63	5.43	-0.74	-4.92	5.83	-0.84	-5.22	6.19	-0.87
-5.51	6.44	-0.31	-5.79	6.60	-0.67	-6.04	6.67	-0.48	-6.27	6.69	-0.28
-6.48	6.72	-0.11	-6.70	6.77	0.07	-6.92	6.82	0.22	-7.13	6.91	0.34
-7.37	7.03	0.44	-7.59	7.17	0.49	-7.78	7.35	0.48	-7.97	7.55	0.45
-8.11	7.75	0.38	-8.23	7.93	0.29	-8.30	8.10	0.17	-8.31	8.25	0.00
-8.30	8.41	-0.20	-8.23	8.56	-0.44	-8.12	8.69	-0.71	-7.97	8.79	-0.97
-7.80	8.89	-1.22	-7.67	8.96	-1.38	-7.57	9.00	-1.48	-7.49	9.00	-1.72
-7.79	9.52	-1.72	-7.78	9.49	-1.72	-7.74	9.44	-1.71	-7.69	9.36	-1.70
-7.60	9.26	-1.70	-7.50	9.17	-1.71	-7.41	9.11	-1.76	-7.31	9.11	-1.86
-7.26	9.22	-2.02	-7.27	9.45	-2.22	-7.36	9.77	-2.44	-7.49	10.14	-2.66
-7.64	10.49	-2.89	-7.75	10.82	-3.15	-7.30	11.15	-3.43	-7.84	11.46	-3.73
-7.84	11.75	-4.00	-7.83	11.98	-4.23	-7.79	12.12	-4.40	-7.74	12.20	-4.48

STABLE SEASONAL FACTORS

-4.92	5.63	-0.71	-4.92	5.63	-0.71	-4.92	5.63	-0.71	-4.92	5.63	-0.71
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VARIANCE OF STABLE PATTERN 2.93

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

-1.22	0.93	0.29	-1.22	0.93	0.29	-1.22	0.93	0.29	-1.22	0.93	0.29
-0.98	1.06	-0.07	-0.98	1.06	-0.07	-0.98	1.06	-0.07	-0.98	1.06	-0.07
-1.04	1.45	-0.40	-1.04	1.45	-0.40	-1.04	1.45	-0.40	-1.04	1.45	-0.40
-1.49	2.15	-0.66	-1.49	2.15	-0.66	-1.49	2.15	-0.66	-1.49	2.15	-0.66
-2.22	2.91	-0.68	-2.22	2.91	-0.68	-2.22	2.91	-0.68	-2.22	2.91	-0.68
-3.24	3.88	-0.65	-3.24	3.88	-0.65	-3.24	3.88	-0.65	-3.24	3.88	-0.65
-4.33	4.87	-0.54	-4.33	4.87	-0.54	-4.33	4.87	-0.54	-4.33	4.87	-0.54
-5.40	5.75	-0.35	-5.40	5.75	-0.35	-5.40	5.75	-0.35	-5.40	5.75	-0.35
-6.37	6.54	-0.17	-6.37	6.54	-0.17	-6.37	6.54	-0.17	-6.37	6.54	-0.17
-7.15	7.22	-0.06	-7.15	7.22	-0.06	-7.15	7.22	-0.06	-7.15	7.22	-0.06
-7.61	7.72	-0.10	-7.61	7.72	-0.10	-7.61	7.72	-0.10	-7.61	7.72	-0.10
-7.87	8.28	-0.40	-7.87	8.28	-0.40	-7.87	8.28	-0.40	-7.87	8.28	-0.40
-7.92	8.74	-0.82	-7.92	8.74	-0.82	-7.92	8.74	-0.82	-7.92	8.74	-0.82
-7.75	9.04	-1.29	-7.75	9.04	-1.29	-7.75	9.04	-1.29	-7.75	9.04	-1.29
-7.62	9.44	-1.82	-7.62	9.44	-1.82	-7.62	9.44	-1.82	-7.62	9.44	-1.82
-7.62	10.00	-2.37	-7.62	10.00	-2.37	-7.62	10.00	-2.37	-7.62	10.00	-2.37

ALPHA COEFFICIENTS

1.06	1.05	1.05	1.06	1.06	1.06	1.06	1.07	1.07	1.08	1.09	1.09
1.10	1.10	1.11	1.12	1.12	1.12	1.10	1.09	1.05	1.00	0.95	0.88
0.79	0.71	0.61	0.50	0.39	0.28	0.17	0.05	-0.06	-0.16	-0.27	-0.37
-0.47	-0.56	-0.65	-0.72	-0.79	-0.85	-0.90	-0.94	-0.97	-0.99	-1.01	-1.03
-1.03	-1.02	-1.01	-0.99	-1.01	-0.98	-0.95	-0.92	-0.88	-0.85	-0.81	-0.78
-0.75	-0.73	-0.71	-0.69	-0.67	-0.67	-0.65	-0.64	-0.64	-0.62	-0.60	-0.59
-0.57	-0.56	-0.54	-0.53	-0.52	-0.50	-0.50	-0.50	-0.49	-0.49	-0.50	-0.49
-0.49	-0.49	-0.49	-0.49	-0.50	-0.50	-0.50	-0.52	-0.52	-0.53	-0.55	-0.56
-0.58	-0.61	-0.64	-0.67	-0.71	-0.74	-0.77	-0.81	-0.84	-0.85	-0.87	-0.87
-0.85	-0.84	-0.81	-0.76	-0.73	-0.67	-0.61	-0.55	-0.48	-0.41	-0.35	-0.28
-0.22	-0.17	-0.11	-0.05	0.00	0.07	0.12	0.17	0.22	0.26	0.30	0.34
0.38	0.40	0.44	0.46	0.47	0.48	0.49	0.48	0.48	0.48	0.46	0.45
0.43	0.40	0.38	0.36	0.31	0.29	0.25	0.20	0.17	0.12	0.05	0.00
-0.06	-0.14	-0.20	-0.27	-0.37	-0.45	-0.52	-0.62	-0.71	-0.79	-0.89	-0.98
-1.05	-1.14	-1.22	-1.27	-1.33	-1.38	-1.42	-1.46	-1.48	-1.50	-1.53	-1.72
-1.72	-1.73	-1.72	-1.72	-1.73	-1.72	-1.71	-1.72	-1.71	-1.70	-1.71	-1.70
-1.69	-1.70	-1.70	-1.69	-1.71	-1.71	-1.72	-1.74	-1.76	-1.79	-1.83	-1.87
-1.91	-1.97	-2.03	-2.09	-2.16	-2.23	-2.29	-2.37	-2.44	-2.51	-2.60	-2.66
-2.73	-2.82	-2.89	-2.97	-3.06	-3.15	-3.24	-3.34	-3.43	-3.52	-3.63	-3.73
-3.81	-3.92	-4.00	-4.07	-4.16	-4.23	-4.28	-4.35	-4.40	-4.42	-4.47	-4.48

BETA COEFFICIENTS

-1.93	-1.90	-1.87	-1.83	-1.80	-1.75	-1.71	-1.67	-1.62	-1.57	-1.51	-1.44
-1.38	-1.31	-1.23	-1.15	-1.07	-0.99	-0.91	-0.84	-0.79	-0.75	-0.72	-0.71
-0.70	-0.71	-0.73	-0.76	-0.80	-0.85	-0.90	-0.95	-0.98	-1.02	-1.05	-1.07
-1.09	-1.12	-1.13	-1.14	-1.16	-1.15	-1.14	-1.15	-1.13	-1.12	-1.12	-1.11
-1.12	-1.13	-1.15	-1.17	-1.12	-1.17	-1.22	-1.28	-1.34	-1.41	-1.47	-1.53
-1.60	-1.66	-1.74	-1.81	-1.88	-1.97	-2.05	-2.14	-2.24	-2.34	-2.44	-2.55
-2.67	-2.78	-2.90	-3.01	-3.14	-3.25	-3.36	-3.48	-3.59	-3.71	-3.83	-3.94
-4.06	-4.18	-4.28	-4.39	-4.50	-4.60	-4.71	-4.82	-4.93	-5.04	-5.15	-5.26
-5.38	-5.42	-5.61	-5.74	-5.86	-5.99	-6.13	-6.26	-6.39	-6.52	-6.65	-6.75
-6.86	-6.96	-7.03	-7.12	-7.20	-7.26	-7.32	-7.38	-7.42	-7.47	-7.52	-7.56
-7.61	-7.66	-7.71	-7.76	-7.81	-7.86	-7.92	-7.97	-8.02	-8.09	-8.15	-8.21
-8.29	-8.35	-8.42	-8.49	-8.56	-8.62	-8.70	-8.77	-8.84	-8.92	-8.98	-9.04
-9.12	-9.18	-9.23	-9.29	-9.34	-9.38	-9.43	-9.47	-9.49	-9.53	-9.56	-9.58
-9.61	-9.64	-9.64	-9.66	-9.67	-9.66	-9.68	-9.67	-9.66	-9.66	-9.64	-9.62
-9.61	-9.60	-9.58	-9.58	-9.58	-9.56	-9.55	-9.55	-9.52	-9.51	-9.52	-9.48
-9.99	-9.99	-9.93	-9.93	-9.97	-9.94	-9.93	-9.91	-9.87	-9.85	-9.82	-9.78
-9.75	-9.71	-9.67	-9.64	-9.61	-9.57	-9.55	-9.51	-9.49	-9.47	-9.47	-9.47
-9.49	-9.51	-9.55	-9.60	-9.67	-9.74	-9.82	-9.91	-10.00	-10.10	-10.21	-10.29
-10.40	-10.49	-10.56	-10.66	-10.73	-10.79	-10.88	-10.95	-11.00	-11.08	-11.14	-11.18
-11.25	-11.31	-11.34	-11.39	-11.43	-11.44	-11.46	-11.48	-11.48	-11.49	-11.51	-11.49

RO COEFFICIENTS

2.20	2.17	2.14	2.12	2.08	2.05	2.02	1.98	1.94	1.90	1.86	1.81
1.76	1.71	1.66	1.61	1.55	1.50	1.43	1.37	1.32	1.25	1.19	1.13
1.06	1.00	0.96	0.91	0.89	0.90	0.92	0.95	0.98	1.03	1.08	1.13

72685

72684

0.96	-4.42	0.96	4.42	0.96	-4.42	0.96	4.42	0.96	-4.42	0.96	4.42
1.14	-3.44	1.14	3.44	1.14	-3.44	1.14	3.44	1.14	-3.44	1.14	3.44
1.58	-2.56	1.58	2.56	1.58	-2.56	1.58	2.56	1.58	-2.56	1.58	2.56
2.13	-1.85	2.13	1.85	2.13	-1.85	2.13	1.85	2.13	-1.85	2.13	1.85
2.65	-1.38	2.65	1.38	2.65	-1.38	2.65	1.38	2.65	-1.38	2.65	1.38
3.17	-1.01	3.17	1.01	3.17	-1.01	3.17	1.01	3.17	-1.01	3.17	1.01
3.74	-0.74	3.74	0.74	3.74	-0.74	3.74	0.74	3.74	-0.74	3.74	0.74
4.49	-0.52	4.49	0.52	4.49	-0.52	4.49	0.52	4.49	-0.52	4.49	0.52
5.27	-0.24	5.27	0.24	5.27	-0.24	5.27	0.24	5.27	-0.24	5.27	0.24
5.99	-0.02	5.99	0.02	5.99	-0.02	5.99	0.02	5.99	-0.02	5.99	0.02
6.68	-0.62	6.68	0.62	6.68	-0.62	6.68	0.62	6.68	-0.62	6.68	0.62
7.38	-0.01	7.38	0.01	7.38	-0.01	7.38	0.01	7.38	-0.01	7.38	0.01

ALPHA COEFFICIENTS

-3.45	-3.46	-3.48	-3.49	-3.51	-3.53	-3.55	-3.57	-3.60	-3.62	-3.65	-3.68
-3.71	-3.76	-3.80	-3.85	-3.91	-3.95	-4.00	-4.02	-4.04	-4.03	-4.02	-3.97
-3.93	-3.94	-3.96	-3.94	-3.92	-3.89	-3.86	-3.83	-3.81	-3.80	-3.77	-3.65
-2.53	-2.41	-2.30	-2.18	-2.07	-1.96	-1.86	-1.75	-1.65	-1.55	-1.45	-1.36
-1.11	-1.19	-1.10	-1.01	-0.78	-0.70	-0.62	-0.54	-0.46	-0.39	-0.32	-0.27
-0.22	-0.17	-0.12	-0.12	-0.12	-0.11	-0.10	-0.13	-0.16	-0.18	-0.21	-0.25
-0.22	-0.35	-0.40	-0.45	-0.50	-0.58	-0.66	-0.74	-0.82	-0.91	-1.01	-1.10
-1.11	-1.28	-1.37	-1.44	-1.51	-1.56	-1.62	-1.67	-1.71	-1.73	-1.78	-1.80
-1.11	-1.84	-1.86	-1.88	-1.91	-1.93	-1.96	-1.99	-2.03	-2.06	-2.09	-2.12
-2.21	-2.18	-2.21	-2.24	-2.28	-2.30	-2.32	-2.34	-2.36	-2.37	-2.39	-2.41
-2.44	-2.45	-2.48	-2.52	-2.56	-2.61	-2.66	-2.72	-2.78	-2.85	-2.93	-2.99
-3.00	-3.12	-3.20	-3.26	-3.33	-3.39	-3.45	-3.50	-3.56	-3.61	-3.66	-3.71
-3.88	-3.89	-3.93	-3.93	-3.98	-4.04	-4.09	-4.14	-4.20	-4.26	-4.32	-4.37
-4.44	-4.49	-4.55	-4.60	-4.65	-4.70	-4.75	-4.79	-4.85	-4.88	-4.91	-4.95
-5.00	-5.03	-5.07	-5.12	-5.18	-5.24	-5.30	-5.37	-5.44	-5.53	-5.62	-5.67
-6.17	-6.26	-6.36	-6.44	-6.53	-6.60	-6.68	-6.73	-6.79	-6.84	-6.90	-6.93
-6.98	-7.01	-7.05	-7.08	-7.13	-7.16	-7.20	-7.23	-7.28	-7.30	-7.34	-7.36
-7.44	-7.40	-7.43	-7.44	-7.46	-7.48	-7.52	-7.56	-7.61	-7.67	-7.74	-7.79
-8.86	-7.91	-7.98	-8.05	-8.12	-8.17	-8.23	-8.28	-8.33	-8.37	-8.42	-8.46
-8.52	-8.55	-8.60	-8.63	-8.67	-8.71	-8.76	-8.78	-8.82	-8.83	-8.86	-8.84

BETA COEFFICIENTS

1.94	1.94	1.96	1.97	1.99	2.01	2.03	2.06	2.10	2.13	2.18	2.23
2.29	2.36	2.43	2.50	2.58	2.66	2.75	2.84	2.93	3.02	3.11	3.20
3.33	3.38	3.47	3.57	3.66	3.75	3.85	3.95	4.05	4.16	4.27	4.38
4.49	4.61	4.72	4.83	4.93	5.05	5.14	5.24	5.33	5.43	5.50	5.58
5.63	5.68	5.70	5.73	5.66	5.68	5.67	5.67	5.64	5.63	5.58	5.55
5.00	5.46	5.41	5.37	5.29	5.22	5.16	5.10	5.02	4.94	4.86	4.79
4.44	4.66	4.58	4.52	4.46	4.42	4.34	4.28	4.20	4.14	4.04	3.95
3.88	3.75	3.64	3.52	3.40	3.29	3.16	3.04	2.92	2.79	2.66	2.53
2.40	2.27	2.15	2.03	1.90	1.76	1.63	1.50	1.37	1.25	1.15	1.06
0.83	0.90	0.86	0.81	0.79	0.76	0.76	0.75	0.76	0.77	0.79	0.81
0.83	0.86	0.89	0.92	0.96	1.00	1.03	1.07	1.10	1.13	1.14	1.16
1.18	1.20	1.21	1.23	1.24	1.26	1.28	1.30	1.32	1.34	1.39	1.44
1.49	1.54	1.59	1.65	1.72	1.79	1.86	1.93	2.01	2.09	2.16	2.24
2.31	2.40	2.47	2.54	2.61	2.68	2.76	2.84	2.92	3.00	3.10	3.21
3.30	3.39	3.49	3.59	3.67	3.75	3.82	3.89	3.95	4.01	4.04	4.31
4.34	4.38	4.41	4.44	4.47	4.51	4.54	4.57	4.60	4.64	4.67	4.71
4.75	4.79	4.83	4.89	4.94	5.01	5.07	5.14	5.19	5.26	5.30	5.35
5.37	5.41	5.43	5.45	5.45	5.47	5.46	5.46	5.44	5.42	5.38	5.35
5.33	5.31	5.28	5.27	5.24	5.22	5.20	5.19	5.20	5.20	5.23	5.26
5.28	5.31	5.34	5.37	5.39	5.42	5.43	5.45	5.45	5.46	5.45	5.45

RO COEFFICIENTS

3.96	3.97	3.99	4.01	4.04	4.06	4.09	4.12	4.16	4.20	4.25	4.30
4.37	4.43	4.51	4.60	4.69	4.77	4.86	4.92	4.99	5.04	5.08	5.10
5.12	5.12	5.12	5.09	5.08	5.06	5.04	5.04	5.05	5.07	5.09	5.12
5.16	5.20	5.25	5.30	5.35	5.41	5.47	5.53	5.58	5.65	5.69	5.75
5.77	5.81	5.81	5.82	5.71	5.73	5.71	5.70	5.66	5.64	5.59	5.56
5.50	5.46	5.41	5.37	5.29	5.22	5.16	5.10	5.02	4.94	4.87	4.80
4.73	4.67	4.60	4.54	4.49	4.45	4.39	4.34	4.28	4.24	4.17	4.10
4.03	3.97	3.88	3.81	3.72	3.64	3.55	3.47	3.38	3.29	3.20	3.11
3.02	2.93	2.84	2.77	2.69	2.62	2.55	2.49	2.45	2.40	2.38	2.37
2.37	2.36	2.37	2.39	2.41	2.42	2.44	2.46	2.48	2.49	2.52	2.54
2.56	2.60	2.64	2.68	2.73	2.79	2.86	2.92	2.99	3.07	3.14	3.21
3.28	3.35	3.42	3.49	3.56	3.61	3.68	3.75	3.80	3.85	3.91	3.98
4.06	4.12	4.20	4.26	4.34	4.41	4.50	4.57	4.65	4.74	4.83	4.91
5.00	5.09	5.18	5.25	5.33	5.41	5.49	5.57	5.66	5.72	5.81	5.90
6.99	6.06	6.15	6.25	6.35	6.44	6.53	6.63	6.72	6.83	6.92	7.04
7.54	7.64	7.74	7.82	7.91	7.99	8.07	8.13	8.21	8.26	8.33	8.38
8.44	8.49	8.55	8.61	8.67	8.74	8.81	8.87	8.94	9.00	9.05	9.09
9.14	9.17	9.20	9.22	9.24	9.27	9.29	9.32	9.35	9.39	9.43	9.45
9.49	9.53	9.57	9.62	9.66	9.70	9.74	9.77	9.82	9.85	9.91	9.96
10.02	10.07	10.12	10.16	10.21	10.26	10.31	10.34	10.37	10.39	10.40	10.39

THETA COEFFICIENTS

-0.51	-0.51	-0.51	-0.51	-0.52	-0.52	-0.52	-0.52	-0.53	-0.53	-0.54	-0.55
-0.55	-0.56	-0.57	-0.58	-0.58	-0.59	-0.60	-0.62	-0.63	-0.64	-0.66	-0.68
-0.70	-0.72	-0.75	-0.78	-0.80	-0.84	-0.87	-0.90	-0.93	-0.96	-1.00	-1.03
-1.06	-1.09	-1.12	-1.15	-1.17	-1.20	-1.22	-1.25	-1.27	-1.29	-1.31	-1.33
-1.35	-1.37	-1.38	-1.40	-1.43	-1.45	-1.46	-1.48	-1.49	-1.50	-1.51	-1.52
-1.53	-1.54	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.54	-1.53	-1.53	-1.52
-1.51	-1.50	-1.48	-1.47	-1.46	-1.44	-1.42	-1.40	-1.38	-1.35	-1.33	-1.30
-1.27	-1.24	-1.21	-1.13	-1.15	-1.13	-1.10	-1.07	-1.04	-1.01	-0.98	-0.95
-0.92	-0.89	-0.86	-0.82	-0.78	-0.74	-0.69	-0.65	-0.59	-0.54	-0.50	-0.46
-0.43	-0.39	-0.37	-0.35	-0.33	-0.32	-0.31	-0.31	-0.31	-0.32	-0.32	-0.32
-0.33	-0.34	-0.34	-0.35	-0.36	-0.37	-0.37	-0.37	-0.38	-0.38	-0.37	-0.37
-0.37	-0.37	-0.36	-0.36	-0.36	-0.36	-0.35	-0.36	-0.36	-0.36	-0.36	-0.37
-0.37	-0.38	-0.39	-0.40	-0.41	-0.42	-0.43	-0.44	-0.45	-0.46	-0.46	-0.47
-0.48	-0.49	-0.50	-0.50	-0.51	-0.52	-0.53	-0.54	-0.54	-0.55	-0.56	-0.58
-0.58	-0.59	-0.60	-0.61	-0.62	-0.62	-0.62	-0.63	-0.63	-0.63	-0.62	-0.62
-0.61	-0.61	-0.61	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
-0.60	-0.60	-0.60	-0.60	-0.61	-0.61	-0.61	-0.62	-0.62	-0.62	-0.62	-0.63
-0.63	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63	-0.63	-0.62	-0.62	-0.61	-0.60
-0.60	-0.59	-0.58	-0.58	-0.57	-0.57	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56
-0.55	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.55	-0.55	-0.55	-0.55

72681

72682

4.90	4.85	4.81	4.77	4.73	4.70	4.67	4.62	4.58	4.55	4.51	4.45	4.40
4.35	4.32	4.30	4.29	4.23	4.28	4.34	4.41	4.50	4.59	4.72	4.86	4.86
5.01	5.17	5.35	5.50	5.62	5.74	5.81	5.89	6.34	6.56	6.75	6.96	6.96
7.18	7.38	7.60	7.85	8.12	8.41	8.66	8.89	9.13	9.38	9.62	9.88	9.88
10.10	10.30	10.52	10.72	10.93	11.15	11.36	11.58	11.81	12.03	12.26	12.51	12.51
12.73	12.97	13.22	13.43	13.61	13.81	14.00	14.20	14.41	14.61	14.77	14.95	14.95
15.13	15.29	15.48	15.65	15.79	15.95	16.11	16.23	16.39	16.53	16.66	16.82	16.82
16.97	17.10	17.24	17.39	17.51	17.66	17.79	17.88	17.99	18.10	18.18	18.29	18.29
18.37	18.39	18.44	18.46	18.44	18.45	18.44	18.42	18.42	18.40	18.33	18.27	18.27
18.23	18.17	18.14	18.12	18.08	18.07	18.06	18.01	17.99	17.97	17.95	17.97	17.97
17.95	17.91	17.89	17.87	17.85	17.86	17.87	17.88	17.93	17.95	17.94	17.93	17.93
17.96	18.01	18.08	18.15	18.17	18.22	18.28	18.31	18.36	18.44	18.52	19.82	19.82
19.96	20.06	20.20	20.34	20.47	20.63	20.78	20.92	21.09	21.26	21.43	21.64	21.64
21.85	22.06	22.31	22.55	22.76	23.05	23.30	23.55	23.84	24.09	24.34	24.63	24.63
24.87	25.10	25.38	25.62	25.86	26.15	26.37	26.60	26.86	27.07	27.29	27.54	27.54
27.69	27.82	27.98	28.06	28.11	28.20	28.23	28.24	28.29	28.29	28.28	28.31	28.31
28.33	28.36	28.43	28.48	28.54	28.63	28.69	28.73	28.81	28.86	28.88	28.95	28.95

THETA COEFFICIENTS

1.36	1.36	1.37	1.37	1.38	1.38	1.39	1.40	1.40	1.41	1.42	1.42	1.42
1.43	1.43	1.43	1.43	1.43	1.43	1.42	1.41	1.40	1.38	1.37	1.36	1.36
1.34	1.32	1.30	1.28	1.26	1.23	1.21	1.19	1.17	1.14	1.12	1.10	1.10
1.08	1.06	1.04	1.01	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.84	0.84
0.82	0.79	0.77	0.74	0.69	0.67	0.65	0.64	0.62	0.61	0.60	0.59	0.59
0.59	0.58	0.58	0.59	0.59	0.58	0.57	0.56	0.55	0.55	0.55	0.54	0.54
0.53	0.52	0.51	0.49	0.48	0.48	0.47	0.46	0.45	0.45	0.44	0.43	0.43
0.43	0.43	0.43	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.45	0.45	0.45
0.46	0.47	0.46	0.49	0.50	0.51	0.53	0.54	0.55	0.56	0.57	0.57	0.57
0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64
0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.66	0.66	0.66
0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68
0.68	0.68	0.68	0.67	0.67	0.67	0.67	0.67	0.66	0.66	0.66	0.66	0.66
0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.62	0.61	0.60	0.60	0.57	0.57
0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.62	0.61	0.60	0.60	0.48	0.48
0.56	0.56	0.55	0.54	0.53	0.52	0.52	0.51	0.50	0.49	0.49	0.38	0.38
0.47	0.46	0.45	0.44	0.44	0.43	0.42	0.41	0.40	0.40	0.39	0.33	0.33
0.38	0.37	0.36	0.36	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.33
0.33	0.32	0.32	0.33	0.32	0.32	0.33	0.33	0.33	0.33	0.32	0.32	0.32
0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32

SEASONAL ANALYSIS FOR FREQUENCY 3*PI/6 N 249 B 0.96 M 60

FILTERED SERIES

-1.16	1.37	-3.17	-2.99	1.71	2.93	-1.17	-3.88	-0.19	2.69	-0.22	-2.55	-2.55
-0.20	2.23	-0.42	-3.31	-0.97	2.62	-2.14	-0.78	-1.22	0.98	-1.25	-0.22	-0.22
0.42	7.14	0.42	-11.23	3.27	13.66	-3.22	-14.92	2.53	14.55	-3.12	-14.05	-14.05
2.66	7.45	-2.72	-1.84	1.59	1.31	-2.83	-2.49	3.41	1.45	-6.08	-1.98	-1.98
5.01	-1.50	-8.04	-2.13	6.72	0.53	-10.12	1.68	13.93	-0.35	-13.68	-3.19	-3.19
5.31	-0.58	-12.77	-0.61	10.45	-3.67	-10.52	2.78	8.01	-9.81	-4.09	11.76	11.76
15.07	1.09	-1.17	10.55	11.32	0.71	-2.47	4.18	3.17	-3.52	-5.18	-1.92	-1.92
-1.13	-8.23	-3.72	0.19	4.69	-4.42	-11.02	-3.52	5.92	2.10	-8.29	-6.17	-6.17
4.94	5.63	-3.78	-4.97	4.53	5.32	-4.05	-5.09	2.24	4.28	0.31	2.03	2.03
6.31	3.19	-0.78	1.43	0.05	3.58	8.27	-0.58	-4.61	3.79	8.04	-1.72	-1.72
-5.27	4.46	-5.53	-4.38	-3.60	2.31	0.68	-1.87	-2.48	-0.47	0.66	0.44	0.44
-1.10	-2.05	-2.61	-1.10	1.53	-1.45	-6.15	-5.11	-0.40	1.33	-2.47	-4.29	-4.29
-2.13	6.44	1.08	-3.18	0.60	6.65	5.88	0.08	0.98	5.26	0.81	-3.63	-3.63
-2.26	2.24	-1.15	-4.87	-0.90	1.08	-5.17	-7.18	-0.81	2.05	-5.68	-7.81	-7.81
1.52	5.28	-0.66	-4.11	3.33	10.54	4.48	-1.35	6.60	7.61	-1.07	1.56	1.56
9.31	3.59	-7.23	-2.92	6.23	-0.68	-13.33	-8.97	4.39	5.43	-7.07	-10.30	-10.30
9.76	9.16	-5.32	-11.62	2.89	9.05	-3.97	-9.09	4.68	9.40	-1.18	-6.45	-6.45
7.04	7.28	-3.07	-6.67	7.05	9.15	-9.81	-10.37	8.21	7.48	-10.50	-9.14	-9.14
7.52	3.71	-10.13	-2.57	9.53	1.93	-9.91	-9.23	2.34	6.45	-4.05	-6.93	-6.93
6.13	11.00	-2.77	-11.21	-0.56	9.57	1.34	-6.40	5.21	11.29	-4.85	-10.02	-10.02
5.81	6.83	-9.35	-11.68	8.10	13.59	-7.94	-16.11	3.13				

EVOLVING SEASONAL FACTORS

3.45	-1.94	-3.48	1.97	3.51	-2.01	-3.55	2.06	3.60	-2.13	-3.65	2.23	2.23
3.71	-2.36	-3.80	2.50	3.91	-2.66	-4.00	2.84	4.04	-3.02	-4.02	3.20	3.20
3.92	-3.38	-3.76	3.57	3.52	-3.75	-3.26	3.95	3.01	-4.16	-2.77	4.38	4.38
2.53	-4.61	-2.30	4.33	2.07	-5.05	-1.36	5.24	1.65	-5.43	-1.45	5.58	5.58
1.27	-5.68	-1.10	5.73	0.78	-5.68	-0.62	5.67	0.46	-5.63	-0.32	5.55	5.55
0.21	-5.46	-0.12	5.37	0.12	-5.22	-0.10	5.10	0.16	-4.94	0.21	4.79	4.79
0.29	-4.66	-0.40	4.52	0.50	-4.42	-0.66	4.28	0.32	-4.14	-1.01	3.95	3.95
1.19	-3.75	-1.37	3.52	1.51	-3.29	-1.62	3.04	1.71	-2.79	-1.78	2.53	2.53
1.83	-2.27	-1.86	2.03	1.91	-1.76	-1.96	1.50	2.03	-1.25	-2.05	1.06	1.06
2.16	-0.90	-2.21	0.81	2.23	-0.76	-2.32	0.75	2.36	-0.77	-2.39	0.81	0.81
2.43	-0.86	-2.48	0.92	2.56	-1.00	-2.66	1.07	2.78	-1.13	-2.93	1.16	1.16
3.06	-1.20	-3.20	1.23	3.33	-1.26	-3.45	1.30	3.56	-1.34	-3.66	1.44	1.44
3.78	-1.54	-3.89	1.65	3.98	-1.79	-4.09	1.93	4.20	-2.09	-4.32	2.23	2.23
4.43	-2.40	-4.55	2.54	4.65	-2.68	-4.75	2.84	4.85	-3.00	-4.91	3.21	3.21
5.00	-3.39	-5.07	3.59	5.18	-3.75	-5.30	3.89	5.44	-4.01	-5.62	4.31	4.31
6.17	-4.38	-6.36	4.44	6.53	-4.51	-6.68	4.57	6.80	-4.64	-6.90	4.71	4.71
6.98	-4.79	-7.05	4.89	7.13	-5.01	-7.20	5.14	7.28	-5.26	-7.34	5.34	5.34
7.39	-5.41	-7.43	5.45	7.46	-5.47	-7.52	5.46	7.61	-5.42	-7.74	5.35	5.35
7.86	-5.31	-7.99	5.27	8.12	-5.22	-8.24	5.19	8.33	-5.20	-8.42	5.26	5.26
8.52	-5.31	-8.60	5.37	8.67	-5.42	-8.76	5.45	8.82	-5.46	-8.86	5.45	5.45

STABLE SEASONAL FACTORS

3.81	-3.46	-3.81	3.46	3.81	-3.46	-3.81	3.46	3.81	-3.46	-3.81	3.46	3.46
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VARIANCE OF STABLE PATTERN 2.24

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

2.98	-3.53	-2.98	3.53	2.98	-3.53	-2.98	3.53	2.98	-3.53	-2.98	3.53	3.53
2.33	-4.24	-2.33	4.24	2.33	-4.24	-2.33	4.24	2.33	-4.24	-2.33	4.24	4.24
1.65	-4.73	-1.65	4.73	1.65	-4.73	-1.65	4.73	1.65	-4.73	-1.65	4.73	4.73
1.10	-4.84	-1.10	4.84	1.10	-4.84	-1.10	4.84	1.10	-4.84	-1.10	4.84	4.84

FILTERED SERIES

Table with 12 columns of numerical data representing the filtered series, spanning rows 4 to 27.

EVOLVING SEASONAL FACTORS

Table with 12 columns of numerical data representing evolving seasonal factors, spanning rows 28 to 50.

STABLE SEASONAL FACTORS

Table with 12 columns of numerical data representing stable seasonal factors, spanning rows 51 to 52.

VARIANCE OF STABLE PATTERN 14.69

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

Table with 12 columns of numerical data representing stable seasonal factors determined over 5 intervals, spanning rows 53 to 65.

ALPHA COEFFICIENTS

Table with 12 columns of numerical data representing alpha coefficients, spanning rows 66 to 80.

BETA COEFFICIENTS

Table with 12 columns of numerical data representing beta coefficients, spanning rows 81 to 95.

RO COEFFICIENTS

Table with 12 columns of numerical data representing ro coefficients, spanning rows 96 to 98.

12611

12678

-5.12	-5.09	-5.12	-5.20	-5.04	-5.07	-5.10	-5.23	-5.50	-5.88	-6.30	-6.70
-7.12	-7.01	-7.23	-9.00	-9.89	-10.86	-11.5	-12.78	-13.58	-14.24	-14.80	-15.32
-15.87	-16.42	-16.91	-17.26	-17.45	-17.56	-17.70	-17.96	-18.33	-18.76	-19.18	-19.59
-20.04	-20.54	-21.06	-21.54	-21.95	-22.33	-22.55	-23.23	-23.75	-24.21	-24.60	-24.95
-25.34	-25.80	-26.29	-26.76	-27.21	-27.68	-28.20	-28.72	-29.18	-29.65	-30.12	-30.59
-30.26	-30.60	-30.97	-31.30	-31.60	-31.92	-32.29	-32.71	-33.12	-33.54	-33.93	-34.20
-34.62	-35.08	-35.50	-35.85	-36.15	-36.46	-36.83	-37.26	-37.71	-38.15	-38.60	-39.12
-39.70	-40.27	-40.76	-41.14	-41.46	-41.83	-42.26	-42.68	-43.07	-43.48	-43.86	-44.24
-43.12	-43.54	-43.95	-44.33	-44.66	-45.03	-45.46	-45.89	-46.31	-46.75	-47.18	-47.60
-44.63	-45.07	-45.44	-45.82	-46.23	-46.61	-47.01	-47.41	-47.81	-48.24	-48.66	-49.07
-44.52	-44.93	-45.32	-45.72	-46.14	-46.56	-47.01	-47.41	-47.81	-48.24	-48.66	-49.07
-47.78	-48.19	-48.51	-48.81	-49.15	-49.51	-49.86	-50.21	-50.57	-50.96	-51.34	-51.72
-50.23	-50.50	-50.74	-51.04	-51.34	-51.64	-51.94	-52.24	-52.54	-52.84	-53.14	-53.44
-53.92	-54.33	-54.75	-55.00	-55.20	-55.43	-55.75	-56.13	-56.48	-56.84	-57.20	-57.56
-57.60	-57.97	-58.22	-58.48	-58.76	-59.04	-59.31	-59.58	-59.86	-60.14	-60.42	-60.70
-57.57	-57.45	-57.24	-56.93	-56.60	-56.34	-56.18	-56.06	-55.92	-55.73	-55.56	-55.46

BETA COEFFICIENTS

-9.46	-9.44	-9.45	-9.47	-9.49	-9.50	-9.49	-9.48	-9.49	-9.51	-9.54	-9.56
-9.55	-9.52	-9.49	-9.49	-9.49	-9.51	-9.57	-9.65	-9.76	-9.88	-10.01	-10.14
-10.28	-10.46	-10.67	-10.90	-11.13	-11.35	-11.54	-11.74	-11.97	-12.22	-12.47	-12.71
-12.94	-13.21	-13.51	-13.84	-14.15	-14.42	-14.64	-14.84	-15.05	-15.28	-15.54	-15.78
-16.00	-16.18	-16.36	-16.56	-16.78	-16.95	-17.11	-17.26	-17.42	-17.59	-17.77	-17.94
-18.10	-18.28	-18.46	-18.66	-18.87	-19.06	-19.24	-19.41	-19.59	-19.77	-19.96	-20.14
-17.78	-17.94	-18.08	-18.21	-18.34	-18.47	-18.60	-18.73	-18.86	-18.99	-19.12	-19.25
-19.98	-19.93	-19.91	-19.93	-19.92	-19.82	-19.63	-19.42	-19.25	-19.10	-18.92	-18.74
-18.26	-17.87	-17.51	-17.18	-16.84	-16.49	-16.18	-15.97	-15.85	-15.76	-15.60	-15.45
-15.02	-14.69	-14.40	-14.13	-13.84	-13.50	-13.14	-12.82	-12.56	-12.31	-12.04	-11.73
-11.44	-11.20	-11.04	-10.89	-10.70	-10.45	-10.18	-9.93	-9.72	-9.52	-9.31	-9.11
-8.99	-8.81	-8.65	-8.51	-8.34	-8.19	-8.00	-7.80	-7.62	-7.46	-7.31	-7.16
-11.41	-11.52	-11.90	-12.20	-12.43	-12.56	-12.60	-12.62	-12.68	-12.76	-12.81	-12.85
-12.93	-13.11	-13.40	-13.71	-14.03	-14.33	-14.60	-14.84	-15.05	-15.22	-15.38	-15.54
-14.19	-13.69	-13.18	-12.70	-12.18	-11.56	-10.86	-10.14	-9.45	-8.78	-8.08	-7.32
-6.26	-5.73	-5.31	-4.89	-4.47	-3.79	-3.19	-2.66	-2.21	-1.76	-1.25	-0.68
-0.13	0.35	0.77	1.18	1.64	2.12	2.56	2.91	3.19	3.47	3.82	4.22
4.56	4.80	4.94	5.09	5.34	5.69	6.08	6.42	6.69	6.98	7.36	7.82
8.24	8.53	8.70	8.89	9.12	9.58	9.90	10.03	10.02	10.04	10.16	10.36
10.51	10.54	10.48	10.44	10.49	10.58	10.65	10.64	10.57	10.53	10.54	10.60

RC COEFFICIENTS

10.76	10.75	10.76	10.77	10.75	10.77	10.75	10.73	10.71	10.72	10.73	10.75	10.76
10.74	10.73	10.73	10.75	10.79	10.85	10.94	11.06	11.20	11.34	11.49	11.64	11.81
11.81	12.01	12.23	12.45	12.67	12.87	13.06	13.26	13.49	13.72	13.93	14.14	14.34
14.34	14.58	14.85	15.11	15.35	15.53	15.68	15.83	15.99	16.19	16.41	16.62	16.80
16.80	16.96	17.14	17.35	17.54	17.71	17.87	18.03	18.22	18.41	18.61	18.81	19.01
17.61	17.61	17.66	17.82	18.17	18.71	19.43	20.27	21.12	21.91	22.59	23.21	23.83
23.83	24.31	25.20	25.82	26.29	26.58	26.76	26.92	27.15	27.45	27.75	28.02	28.30
28.30	28.61	28.98	29.35	29.65	29.86	30.05	30.28	30.57	30.84	31.04	31.14	31.24
31.24	31.38	31.59	31.80	32.00	32.22	32.51	32.86	33.20	33.46	33.61	33.69	33.79
33.79	33.95	34.15	34.34	34.50	34.66	34.86	35.13	35.42	35.68	35.91	36.16	36.46
36.46	36.82	37.18	37.47	37.70	37.93	38.21	38.56	38.94	39.32	39.71	40.16	40.70
40.70	41.27	41.77	42.17	42.50	42.87	43.32	43.79	44.17	44.38	44.46	44.50	44.60
44.60	44.77	44.95	45.07	45.10	45.11	45.16	45.30	45.49	45.69	45.90	46.14	46.46
46.46	46.34	47.18	47.33	47.47	47.50	47.59	47.74	47.87	47.83	47.56	47.15	46.73
46.73	46.43	46.24	46.07	45.87	45.66	45.51	45.45	45.47	45.49	45.53	47.88	48.19
48.19	48.53	48.80	48.95	49.00	49.09	49.25	49.48	49.67	49.78	49.86	50.00	50.23
50.23	50.39	50.74	50.95	51.17	51.48	51.87	52.29	52.67	52.98	53.28	53.65	54.11
54.11	54.39	54.97	55.24	55.45	55.72	56.08	56.50	56.87	57.17	57.43	57.76	58.18
58.18	58.59	58.36	58.95	59.38	59.08	59.26	59.40	59.35	59.12	58.84	58.64	58.53
58.53	58.41	58.19	57.88	57.56	57.33	57.18	57.06	56.91	56.71	56.55	56.47	

THETA COEFFICIENTS

1.07	1.07	1.07	1.07	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09
1.09	1.09	1.09	1.08	1.08	1.07	1.06	1.06	1.06	1.06	1.06	1.06	1.06
1.06	1.06	1.06	1.07	1.07	1.08	1.08	1.09	1.09	1.10	1.11	1.12	1.13
1.13	1.13	1.14	1.16	1.17	1.19	1.20	1.22	1.23	1.23	1.24	1.25	1.26
1.26	1.27	1.27	1.27	1.27	1.27	1.27	1.26	1.25	1.25	1.20	1.18	1.15
1.15	1.12	1.09	1.04	1.00	0.95	0.91	0.89	0.87	0.86	0.86	0.85	0.84
0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.78
0.78	0.77	0.76	0.75	0.74	0.73	0.71	0.70	0.68	0.67	0.66	0.64	0.62
0.62	0.61	0.59	0.57	0.55	0.54	0.52	0.51	0.50	0.49	0.48	0.47	0.46
0.46	0.45	0.44	0.42	0.41	0.40	0.39	0.37	0.36	0.35	0.34	0.33	0.32
0.32	0.31	0.30	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.24	0.23	0.22
0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.25	0.26	0.26
0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31
0.31	0.30	0.29	0.28	0.27	0.26	0.24	0.23	0.21	0.19	0.18	0.15	0.13
0.13	0.12	0.11	0.10	0.09	0.08	0.06	0.05	0.04	0.04	0.03	0.01	0.00
0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.06	-0.06	-0.07	-0.07	-0.08	-0.08
-0.08	-0.09	-0.09	-0.09	-0.10	-0.10	-0.11	-0.11	-0.12	-0.12	-0.13	-0.14	-0.14
-0.14	-0.15	-0.15	-0.15	-0.16	-0.16	-0.17	-0.17	-0.17	-0.17	-0.17	-0.18	-0.18
-0.18	-0.18	-0.18	-0.18	-0.18	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.18

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1	-57.55	-57.59	-56.03	-55.68	-55.82	-56.06	-55.93	-55.35	-54.75			
2	-44.02	-44.55	-43.13	-41.66	-41.74	-43.42	-45.24	-45.02	-43.28	-42.08	-43.06	-45.64
3	-47.62	-47.38	-45.65	-44.64	-45.58	-47.60	-48.26	-48.46	-47.19	-46.35	-46.59	-47.43
4	-47.85	-47.41	-46.51	-45.88	-45.81	-46.10	-46.22	-45.82	-45.09			
5												
6	-27.53	-26.98	-25.22	-24.33	-25.34	-27.30	-27.94	-26.31	-24.03	-23.39	-25.01	-27.20
7	-27.65	-25.88	-23.72	-23.25	-24.58	-26.12	-26.31	-25.19	-23.92	-23.55	-24.17	-24.88
8	-24.87	-24.15	-23.39	-23.12	-23.38	-23.73	-23.64	-22.98				
9												
10	-3.60	-2.07	-0.39	-0.39	-2.05	-3.35	-2.30	0.52	2.73	2.61	0.80	-0.26
11	1.06	3.85	5.74	5.52	4.11	3.33	3.97	5.36	6.28	6.08	5.26	4.79
12	5.11	5.81	6.22	6.06	5.55	5.29	5.69					
13												
14	21.57	23.63	24.74	23.86	22.22	22.35	24.96	28.26	29.80	28.91	27.47	27.94
15	30.63	33.52	34.57	33.70	32.50	32.45	33.56	34.83	35.14	34.42	33.57	33.37
16	33.79	34.25	34.24	33.70	33.13	33.14						
17												
18	41.27	43.26	43.47	41.93	41.02	42.67	46.22	49.13	49.49	48.06	47.45	49.29
19	52.45	54.59	54.54	53.23	52.43	52.94	54.23	55.01	54.61	53.57	52.86	52.87
20	53.25	53.41	52.99	52.24	51.82							
21												
22	50.15	51.50	50.49	48.70	48.85	51.68	55.25	56.87	55.34	54.25	54.64	57.21
23	59.93	60.78	59.72	58.34	58.05	58.99	60.06	60.11	59.18	58.12	57.67	57.85
24	58.15	57.99	57.25	56.48								
25												
26	45.71	45.57	43.34	41.81	43.06	46.36	48.88	48.58	46.37	45.08	46.25	48.86
27	50.47	49.97	48.34	47.27	47.57	48.65	49.19	48.62	47.47	46.66	46.58	46.95
28	47.09	46.58	45.65									
29												
30	28.46	26.38	23.46	22.64	24.71	27.51	28.05	25.82	23.06	22.46	24.16	26.12
31	26.38	24.94	23.32	22.84	23.63	24.54	24.53	23.61	22.63	22.29	22.63	23.08
32	22.95	22.11										
33												
34	2.39	-1.21	-4.04	-3.88	-1.57	-0.21	-1.90	-5.47	-7.88	-7.60	-5.80	-4.80
35	-5.62	-7.39	-8.58	-8.32	-7.27	-6.67	-7.08	-7.96	-8.49	-8.29	-7.64	-7.30
36	-7.82											
37												
38	-25.48	-29.70	-31.67	-30.53	-28.70	-29.29	-32.73	-36.42	-37.77	-36.65	-35.12	-35.05
39	-36.48	-38.10	-38.49	-37.58	-36.49	-36.23	-36.77	-37.35	-37.34	-36.66	-35.92	-35.94
40												
41	-47.32	-51.03	-51.50	-49.67	-48.90	-51.24	-55.28	-58.01	-57.95	-56.28	-55.25	-55.91
42	-57.55	-58.54	-58.03	-56.71	-55.81	-55.81	-56.29	-56.50	-55.97	-55.00	-54.47	
43												
44	-56.65	-58.71	-57.40	-55.37	-55.87	-59.15	-62.62	-63.72	-62.36	-60.59	-60.22	-61.43
45	-62.79	-62.86	-61.67	-60.31	-59.74	-59.97	-60.35	-60.14	-59.20	-58.22		
46												
47	-50.15	-49.77	-46.95	-45.29	-46.84	-50.13	-52.18	-51.54	-49.47	-48.09	-48.48	-49.86
48	-50.54	-49.82	-48.35	-47.32	-47.22	-47.68	-47.87	-47.22	-46.03			
49												
50	-28.80	-25.91	-22.39	-21.61	-23.79	-26.30	-26.62	-24.79	-22.71	-22.11	-23.12	-24.28
51	-24.27	-23.09	-21.84	-21.40	-21.83	-22.41	-22.25	-21.17				
52												
53	2.02	6.58	9.66	9.30	7.00	5.73	6.78	9.04	10.55	10.22	8.88	8.11
54	8.64	9.77	10.44	10.18	9.35	8.92	9.58					
55												
56	33.69	38.41	40.13	38.69	36.75	36.65	38.48	40.55	41.05	39.88	38.49	38.17
57	38.85	39.60	39.58	38.71	37.77	37.78						
58												
59	56.75	60.24	60.16	58.02	56.72	57.55	59.65	60.92	60.27	58.58	57.42	57.43
60	58.05	58.31	57.63	56.40	55.71							
61												
62	64.13	65.52	63.79	61.53	61.06	62.60	64.34	64.43	62.91	61.17	60.44	60.74
63	61.23	60.96	59.75	58.50								
64												
65	53.30	52.48	49.83	48.07	48.57	50.33	51.21	50.28	48.40	47.08	46.96	47.55
66	47.79	46.96	45.44									
67												
68	27.14	24.80	22.15	21.37	22.67	24.15	24.13	22.63	21.04	20.48	21.02	21.76
69	21.56	20.18										
70												
71	-6.78	-9.67	-11.60	-11.18	-9.46	-8.48	-9.16	-10.60	-11.46	-11.12	-10.06	-9.52
72	-10.36											
73												
74	-38.77	-41.42	-42.06	-40.57	-38.79	-38.37	-39.25	-40.20	-40.19	-39.07	-37.87	-37.89
75												
76	-60.05	-61.67	-60.84	-58.68	-57.21	-57.22	-58.00	-58.34	-57.47	-55.90	-55.02	
77												
78	-64.70	-64.82	-62.87	-60.65	-59.73	-60.11	-60.73	-60.38	-58.84	-57.24		
79												
80	-51.45	-50.27	-47.87	-46.18	-46.02	-46.78	-47.09	-46.02	-44.08			
81												
82	-24.27	-22.35	-20.31	-19.60	-20.30	-21.23	-20.98	-19.22				
83												
84	9.05	10.89	11.99	11.56	10.21	9.51	10.58					
85												
86	39.05	40.27	40.25	38.82	37.29	37.31						
87												
88	57.68	58.11	57.00	54.99	53.87							
89												
90	60.37	59.93	57.96	55.92								
91												
92	46.84	45.48	43.00									
93												
94	20.90	18.65										
95												
96	-10.60											
97												
98												
99												
100												

STABLE SEASONAL FACTORS

-6.87	-21.27	-29.97	-30.64	-23.10	-9.37	6.87	21.27	29.97	30.64	23.10	9.37
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VARIANCE OF STABLE PATTERN 80.02

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

7.37	1.12	-5.43	-10.53	-12.80	-11.65	-7.37	-1.12	5.43	10.53	12.80	11.65
8.32	1.44	-5.83	-11.54	-14.15	-12.98	-8.32	-1.44	5.83	11.54	14.15	12.98
8.65	0.37	-8.02	-14.26	-16.67	-14.62	-8.65	-0.37	8.02	14.26	16.67	14.62
8.91	-1.13	-10.86	-17.69	-19.77	-16.56	-8.91	1.13	10.86	17.69	19.77	16.56
7.92	-3.91	-14.70	-21.54	-22.61	-17.62	-7.92	3.91	14.70	21.54	22.61	17.62
5.23	-8.37	-19.73	-25.80	-24.96	-17.43	-5.23	8.37	19.73	25.80	24.96	17.43
1.67	-13.60	-25.23	-30.09	-26.90	-16.50	-1.67	13.60	25.23	30.09	26.90	16.50
-2.23	-18.61	-29.99	-33.34	-27.76	-14.74	2.23	18.61	29.99	33.34	27.76	14.74
-6.02	-23.46	-34.61	-36.48	-28.58	-13.02	6.02	23.46	34.61	36.48	28.58	13.02
-8.88	-27.33	-38.46	-39.29	-29.59	-11.96	8.88	27.33	38.46	39.29	29.59	11.96
-10.45	-29.88	-41.32	-41.68	-30.87	-11.79	10.45	29.88	41.32	41.68	30.87	11.79
-12.66	-32.68	-43.95	-43.44	-31.29	-10.76	12.66	32.68	43.95	43.44	31.29	10.76
-15.25	-35.39	-46.05	-44.38	-30.81	-8.98	15.25	35.39	46.05	44.38	30.81	8.98
-19.09	-38.86	-48.22	-44.65	-29.12	-5.79	19.09	38.86	48.22	44.65	29.12	5.79
-24.06	-43.22	-50.81	-44.78	-26.75	-1.55	24.06	43.22	50.81	44.78	26.75	1.55
-29.64	-47.96	-53.42	-44.57	-23.78	3.39	29.64	47.96	53.42	44.57	23.78	3.39

ALPHA COEFFICIENTS

-5.13	-5.13	-5.14	-5.12	-5.09	-5.04	-5.01	-4.98	-4.98	-4.97	-4.96	-4.94
-4.93	-4.94	-4.99	-5.06	-5.13	-5.21	-5.30	-5.40	-5.49	-5.58	-5.65	-5.72
-5.81	-5.90	-5.97	-6.02	-6.05	-6.08	-6.11	-6.16	-6.21	-6.23	-6.21	-6.19
-6.18	-6.18	-6.15	-6.07	-5.94	-5.77	-5.62	-5.50	-5.42	-5.35	-5.27	-5.19

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-27.09	-30.33	-33.57	-36.81	-40.05	-43.29	-46.53	-49.77	-53.01	-56.25	-59.49	-62.73	-65.97
-32.75	-36.00	-39.24	-42.48	-45.72	-48.96	-52.20	-55.44	-58.68	-61.92	-65.16	-68.40	-71.64
-35.32	-38.56	-41.80	-45.04	-48.28	-51.52	-54.76	-58.00	-61.24	-64.48	-67.72	-70.96	-74.20
-37.22	-40.46	-43.70	-46.94	-50.18	-53.42	-56.66	-59.90	-63.14	-66.38	-69.62	-72.86	-76.10
-39.58	-42.81	-46.05	-49.29	-52.57	-55.85	-59.13	-62.41	-65.69	-68.97	-72.25	-75.53	-78.81
-44.00	-46.05	-45.62	-44.00	-43.32	-44.37	-46.04	-46.73	-45.95	-44.67	-44.20	-44.81	-45.42
-45.58	-45.55	-44.65	-43.69	-43.46	-44.16	-45.15	-45.44	-44.85	-44.08	-44.07	-45.01	-45.62
-46.23	-46.84	-46.60	-45.94	-45.60	-45.95	-46.65	-47.05	-46.75	-46.23	-46.27	-47.10	-47.71
-48.15	-48.63	-48.33	-47.86	-47.97	-48.73	-49.53	-49.78	-49.47	-49.06	-48.97	-49.80	-50.41
-49.56	-49.58	-49.31	-48.99	-48.86	-48.92	-49.00	-48.96	-48.74	-48.51	-48.51	-49.34	-49.95
-48.42	-48.85	-47.22	-45.55	-45.49	-46.77	-47.82	-47.45	-45.97	-44.71	-44.59	-45.16	-45.77
-45.34	-44.53	-43.23	-42.34	-42.44	-43.30	-43.87	-43.48	-42.47	-41.81	-42.16	-43.27	-43.88
-44.22	-44.42	-43.91	-43.34	-43.36	-43.99	-44.64	-44.60	-43.94	-43.49	-43.86	-44.83	-45.44
-45.57	-45.48	-44.83	-44.45	-44.81	-45.57	-46.04	-45.89	-45.41	-45.10	-45.18	-46.15	-46.76
-45.66	-45.49	-44.15	-44.92	-44.89	-45.00	-45.05	-44.89	-44.62	-44.62	-44.62	-45.45	-46.06
-38.97	-37.78	-35.52	-34.27	-34.78	-35.92	-36.08	-34.81	-33.04	-32.16	-32.35	-32.71	-33.07
-32.23	-30.92	-29.56	-28.99	-29.47	-30.17	-30.13	-29.13	-27.95	-27.57	-28.24	-29.30	-29.91
-29.91	-29.71	-29.05	-28.71	-29.09	-29.83	-30.07	-29.46	-28.60	-28.36	-28.97	-29.79	-30.61
-29.96	-29.29	-28.49	-28.31	-28.81	-29.38	-29.46	-29.04	-28.56	-28.42	-28.65	-29.52	-30.34
-28.92	-28.65	-28.36	-28.26	-28.36	-28.49	-28.45	-28.20	-28.20	-28.42	-28.65	-29.52	-30.34
-18.26	-15.98	-13.79	-13.32	-14.24	-14.94	-14.24	-12.43	-10.97	-10.70	-11.14	-11.16	-12.03
-10.21	-8.72	-7.59	-7.51	-8.17	-8.50	-7.80	-6.38	-5.31	-5.33	-6.21	-7.10	-8.00
-7.29	-6.71	-6.03	-5.08	-6.70	-7.19	-6.80	-5.74	-4.91	-4.95	-5.63	-6.53	-7.43
-5.53	-4.49	-3.78	-3.86	-4.39	-4.68	-4.44	-3.92	-3.57	-3.65	-3.96	-4.13	-4.51
-4.01	-3.75	-3.60	-3.66	-3.85	-3.95	-3.80	-3.80	-3.80	-3.80	-3.80	-3.80	-3.80
7.76	10.35	11.76	11.34	10.25	10.13	11.48	13.16	13.85	13.44	12.89	13.19	13.59
14.39	15.82	16.48	16.06	15.41	15.59	16.86	18.38	19.08	18.65	17.70	17.15	17.55
17.47	18.24	18.66	18.33	17.71	17.76	18.74	19.98	20.56	20.22	19.68	19.86	20.26
20.87	21.95	22.35	22.02	21.57	21.55	21.97	22.45	22.56	22.29	21.57	21.90	22.30
22.05	22.23	22.22	22.02	21.81	21.81	21.81	21.81	21.81	21.81	21.81	21.81	21.81
21.63	33.66	33.89	32.69	31.71	32.19	33.63	34.59	34.32	33.36	32.85	33.42	34.00
34.77	35.87	35.82	34.58	34.58	35.33	36.92	38.19	38.36	37.63	36.83	36.78	37.57
37.49	38.24	38.32	37.74	37.40	38.02	39.35	40.44	40.58	40.04	39.82	40.51	41.10
41.69	42.50	42.48	41.98	41.68	41.88	42.36	42.65	42.50	42.11	41.85	41.85	42.44
41.99	42.05	41.90	41.61	41.45	41.45	41.45	41.45	41.45	41.45	41.45	41.45	41.45
46.45	47.34	46.35	44.71	44.11	44.89	45.87	45.83	44.68	43.45	43.17	44.05	44.64
45.32	45.69	44.93	43.96	43.94	45.15	46.70	47.48	47.17	46.33	45.90	46.34	46.93
47.24	47.75	47.37	46.70	46.75	47.81	49.16	49.76	49.38	48.78	48.93	49.89	50.48
50.91	51.23	50.83	50.32	50.21	50.56	50.96	50.98	50.63	50.23	50.06	50.13	50.72
50.25	50.18	49.91	49.62	49.62	49.62	49.62	49.62	49.62	49.62	49.62	49.62	49.62
48.05	47.58	45.69	44.08	43.92	44.65	44.88	43.85	42.18	41.05	41.18	42.28	42.87
43.00	42.51	41.22	40.37	40.83	42.24	43.45	43.71	43.06	42.32	42.36	43.17	43.76
43.99	43.93	43.10	42.52	42.99	44.23	45.18	45.07	44.24	43.75	44.20	45.17	45.76
45.77	45.59	44.98	44.57	44.69	45.09	45.29	45.08	44.65	44.34	44.31	44.45	44.85
44.51	44.31	43.97	43.97	43.97	43.97	43.97	43.97	43.97	43.97	43.97	43.97	43.97
36.07	34.44	32.19	31.06	31.31	31.76	31.15	29.48	27.74	27.02	27.62	28.52	29.42
28.46	27.19	25.68	25.19	26.06	27.41	28.19	27.93	27.08	26.66	27.14	28.08	28.98
28.39	27.61	26.52	26.21	26.99	28.04	28.25	27.40	26.37	26.14	26.78	27.52	28.26
27.61	27.07	26.46	26.28	26.58	26.92	26.92	26.57	26.21	26.08	26.20	26.37	26.54
26.32	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01
14.03	11.71	9.84	9.50	10.07	10.09	8.87	6.97	5.53	5.42	6.27	6.69	7.11
5.80	3.99	2.62	2.65	3.77	4.90	5.14	4.40	3.60	3.60	4.40	5.02	5.64
4.51	3.16	2.10	2.16	3.03	3.54	2.90	1.56	0.66	0.76	1.44	1.81	2.18
1.51	0.84	0.40	0.49	0.89	1.11	0.96	0.63	0.43	0.51	0.75	0.88	1.01
0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
-11.81	-13.96	-14.84	-14.31	-13.61	-13.99	-15.53	-17.36	-18.20	-17.66	-16.82	-17.06	-17.65
-18.68	-20.63	-21.51	-20.96	-19.76	-19.05	-19.45	-20.45	-20.98	-20.55	-19.77	-19.83	-20.42
-21.08	-22.66	-23.40	-22.98	-22.29	-22.51	-23.80	-25.19	-25.69	-25.27	-24.70	-24.67	-25.26
-25.21	-25.82	-25.96	-25.62	-25.21	-25.12	-25.32	-25.54	-25.53	-25.28	-25.00	-25.00	-25.59
-33.92	-35.14	-34.80	-33.57	-32.92	-33.64	-35.37	-36.78	-36.71	-35.67	-35.12	-36.08	-37.04
-38.11	-39.74	-39.96	-39.02	-38.00	-37.94	-38.85	-39.80	-39.91	-39.17	-38.73	-39.52	-40.50
-41.22	-42.62	-42.79	-42.11	-41.82	-42.70	-44.21	-45.24	-45.21	-44.59	-44.20	-44.45	-45.43
-45.06	-45.44	-45.25	-44.75	-44.41	-44.41	-44.59	-44.67	-44.47	-44.11	-43.91	-44.45	-45.43
-45.95	-45.91	-44.44	-42.87	-42.50	-43.63	-45.25	-45.73	-44.75	-43.51	-43.49	-45.03	-46.01
-47.01	-48.00	-47.62	-46.54	-45.98	-46.56	-47.70	-48.35	-47.86	-47.01	-47.08	-48.44	-49.42
-50.15	-50.93	-50.43	-49.67	-49.86	-51.09	-52.39	-52.80	-52.29	-51.63	-51.49	-51.94	-52.92
-52.46	-52.48	-52.03	-51.52	-51.31	-51.40	-51.54	-51.46	-51.11	-50.74	-50.74	-51.72	-52.70
-44.69	-43.37	-41.24	-39.79	-39.96	-41.36	-42.29	-41.66	-40.02	-38.93	-39.51	-41.31	-42.71
-42.87	-43.19	-42.36	-41.43	-41.47	-42.50	-43.55	-43.48	-42.41	-41.68	-42.28	-43.86	-45.04
-45.07	-44.93	-43.87	-43.25	-43.83	-45.06	-45.83	-45.59	-44.81	-44.30	-44.44	-44.96	-45.94
-45.22	-44.95	-44.39	-44.01	-43.97	-44.14	-44.21	-43.97	-43.52	-43.52	-43.52	-44.11	-44.70
-30.72	-28.58	-26.36	-25.44	-26.21	-27.36	-27.29	-25.67	-23.73	-23.11	-24.21	-25.94	-27.12
-26.94	-26.61	-25.53	-24.98	-25.60	-26.80	-27.20	-26.20	-24.80	-24.41	-25.40	-26.74	-28.12
-27.02	-25.93	-24.61	-24.32	-25.14	-26.08	-26.20	-25.51	-24.73	-24.50	-24.88	-25.32	-26.70
-25.31	-24.87	-24.40	-24.24	-24.40	-24.62	-24.56	-24.15	-24.15	-24.15	-24.15	-24.15	-24.15
-8.34	-5.92	-4.07	-3.93	-5.01	-5.56	-4.42	-2.10	-0.35	-0.39	-1.82	-3.27	-4.72
-3.57	-2.63	-1.60	-1.60	-2.62	-3.41	-2.77	-1.05	0.31	0.24	-0.87	-1.52	-2.80
-0.71	1.00	2.15	2.02	1.15	0.68	1.07	1.92	2.49	2.36	1.86	1.57	2.16
1.77	2.19	2.45	2.35	2.04	1.88	2.12	2.12	2.12	2.12	2.12	2.12	2.12
16.01	18.35	19.43	18.73	17.67	17.96	20.04	22.53	23.66	22.95	21.42	20.51	21.64
21.03	22.29	22.97	22.43	21.43	21.51	23.10	25.13	26.07	25.53	24.65	24.93	25.86
26.58	28.35	29.00	28.46	27.73	27.69	28.38	29.16	29.35	28.91	28.38	28.26	29.15
28.52	28.80	28.79	28.47	28.11	28.12	28.12	28.12	28.12	28.12	28.12	28.12	28.12
35.76	37.56	37.47	36.15	35.44	36.67	39.26	41.34	41.62	40.43	39.12	39.04	40.17
40.20	41.42	41.56	40.61	40.05	41.06	43.24	45.02	45.24	44.36	43.99	45.12	46.25
47.06	48.37	48.33	47.53	47.04	47.36	48.14	48.62	48.38	47.74	47.31	47.31	48.14
47.54	47.64	47.39	46.92	46.67	46.67	46.67	46.67	46.67	46.67	46.67	46.67	46.67
45.56	46.17	44.93	43.34	43.31	45.28	47.80	49.08	48.58	47.21	46.50	47.23	48.16
48.69	49.52	48.90	47.81	47.89	49.63	51.82	52.81	52.18	51.21	51.44	53.02	54.15
54.68	55.21	54.56	53.71	53.53	54.11	54.76	54.80	54.23	53.57	53.30	53.41	54.14
53.60	53.49	53.04	52.57	52.57	52.57	52.57	52.57	52.57	52.57	52.57	52.57	52.57
42.47	41.67	39.57	38.17	38.92	41.22	43.21	43.62	42.56	41.36	41.42	42.74	44.06
44.08	43.99	42.63	41.69	42.46	44.48	46.02	45.84	44.48				

MODEL: X(T)=TREND+SEASONAL+RESIDUAL

DATA: BANK ADVANCES

NUMBER OF OBSERVATIONS: 261

FILTERING METHOD: COSINE FORM M.A.

ORIGINAL SERIES

Table with 12 columns of numerical data representing the original series, ranging from 478.00 to 3209.90.

SEASONAL ANALYSIS FOR FREQUENCY 1*PI/6 N 249 B 0.96 M 60

FILTERED SERIES

Table with 12 columns of numerical data representing the filtered series, ranging from -13.70 to -39.14.

EVOLVING SEASONAL FACTORS

Table with 12 columns of numerical data representing the evolving seasonal factors, ranging from 5.63 to -37.89.

LOWER TRIANGULAR FACTORS

Table with 12 columns of numerical data representing the lower triangular factors, ranging from 22.83 to -18.59.

72669

72670

** ESTIMATION OF AN EVOLVING & STABLE SEASONAL PATTERN **

MODEL: X(T)=TREND+SEASONAL+RESTIDUAL

DATA: BANK ADVANCES

NUMBER OF OBSERVATIONS: 261

FILTERING METHOD: COSINE FORM M.A.

ORIGINAL SERIES

478.00	480.70	482.70	480.30	480.40	489.70	497.10	509.30	518.60	518.90	550.80	561.50
571.30	587.90	600.10	607.00	615.30	617.10	625.50	648.10	663.30	672.00	700.40	712.90
725.90	743.10	762.20	775.10	794.10	793.50	790.20	802.50	817.00	824.10	853.80	855.90
859.30	803.00	885.60	884.10	873.30	873.40	868.90	897.60	904.10	923.70	948.10	949.50
959.20	975.80	986.20	989.60	987.40	985.30	997.90	1023.70	1026.20	1062.30	1102.30	1094.50
1126.30	1162.60	1189.70	1220.60	1206.80	1236.20	1258.20	1248.20	1240.80	1270.90	1313.90	1345.60
1402.40	1459.00	1519.40	1531.30	1564.40	1598.20	1616.60	1620.80	1629.30	1655.80	1655.40	1635.10
1612.20	1594.30	1562.50	1526.90	1485.80	1458.70	1431.80	1422.60	1436.10	1449.60	1486.40	1494.20
1519.00	1575.30	1599.50	1604.40	1583.10	1587.00	1605.10	1646.30	1670.70	1690.40	1749.50	1783.90
1822.30	1871.50	1888.90	1892.70	1863.60	1871.20	1879.90	1927.80	1967.20	1981.70	2015.40	1999.60
2008.80	2024.60	2009.10	1990.30	1992.60	1908.70	1909.10	1929.40	1952.50	1944.80	1959.50	1937.80
1919.70	1929.90	1912.10	1894.70	1867.60	1838.00	1819.10	1853.40	1884.10	1896.80	1913.00	1890.10
1878.50	1901.50	1915.40	1904.10	1883.80	1878.00	1890.70	1972.10	2034.30	2060.20	2097.70	2088.40
2067.40	2074.00	2065.80	2037.50	2014.00	1969.80	1943.20	1983.10	2004.60	2007.10	2046.60	2039.80
2033.70	2066.10	2073.00	2061.20	2045.80	2039.00	2047.80	2125.50	2180.90	2211.10	2300.80	2312.90
2337.90	2369.60	2366.90	2350.70	2307.70	2251.30	2216.00	2227.50	2216.10	2238.00	2269.60	2229.80
2207.80	2224.70	2211.80	2197.80	2164.60	2141.70	2158.20	2233.80	2265.60	2286.80	2351.20	2337.00
2329.10	2345.60	2391.90	2348.20	2333.90	2322.90	2340.50	2415.50	2439.40	2464.80	2483.00	2479.60
2450.60	2478.30	2485.70	2473.60	2419.90	2418.50	2459.60	2525.80	2577.70	2609.90	2648.80	2644.70
2652.20	2708.60	2718.70	2690.20	2660.10	2642.70	2704.30	2837.60	2913.20	2955.10	3004.80	2995.70
2983.20	3010.80	3009.30	2994.90	2990.60	2967.10	3025.40	3124.00	3155.70	3182.80	3243.00	3208.10
3209.90	3261.40	3278.50	3303.70	3274.80	3253.00	3307.70	3440.10	3495.80			

SEASONAL ANALYSIS FOR FREQUENCY 1*PI/6

N 249 RO 0.99 B 0.93 M 60

FILTERED SERIES

-13.70	-12.46	-9.89	-6.29	-2.47	1.96	6.40	8.18	6.41	1.73	-3.82	-8.21
-10.81	-10.84	-8.58	-5.10	-1.65	1.56	5.52	9.84	12.43	11.89	8.19	3.05
-1.24	1.73	5.07	2.96	3.74	5.94	6.60	4.22	0.01	-4.58	-8.54	-9.71
-8.75	-12.04	-12.16	-3.42	5.11	11.74	13.99	11.30	6.16	-1.68	-11.73	-19.18
-22.56	-23.38	-20.97	-16.62	-9.15	-0.88	4.22	10.39	17.58	21.38	19.71	9.21
-9.13	-28.80	-45.22	-50.71	-44.94	-31.41	-9.52	14.03	31.32	39.19	40.47	38.87
37.82	39.49	44.47	49.18	50.85	50.15	44.87	32.46	12.04	-10.93	-32.99	-51.65
-62.79	-67.26	-64.56	-52.61	-31.58	-6.32	14.30	23.13	20.66	11.23	-3.58	-21.51
-37.03	-43.16	-36.57	-19.53	3.50	25.92	41.88	46.84	37.44	17.19	-5.11	-19.75
-22.47	-13.96	3.82	25.20	39.09	47.52	51.53	44.73	29.60	9.75	-9.29	-23.75
-29.09	-23.89	-11.63	3.82	20.58	29.75	28.04	19.25	3.50	-15.51	-32.20	-40.28
-38.01	-27.16	-12.75	1.94	15.03	21.54	17.66	2.50	-19.89	-40.67	-93.43	-54.78
-41.80	-15.48	18.21	50.27	70.55	75.39	66.50	46.53	20.94	-4.91	-27.67	-43.39
-48.93	-44.75	-31.99	-13.29	6.92	21.49	24.23	14.38	-5.30	-28.69	-50.88	-65.20
-66.22	-52.02	-23.03	13.30	48.74	77.54	93.38	93.39	79.46	50.50	13.54	-17.89
-36.27	-39.79	-30.56	-12.48	7.95	22.84	24.15	9.54	-16.57	-41.79	-58.48	-64.37
-56.32	-34.32	-4.69	23.74	43.37	48.82	40.10	20.60	-3.72	-26.73	-39.07	-38.00
-25.89	-6.01	14.45	31.65	44.35	47.65	35.43	12.49	-15.40	-42.06	-59.74	-63.08
-52.50	-33.29	-7.77	20.97	43.49	53.73	49.19	24.18	-14.89	-52.74	-78.17	-83.14
-63.75	-23.21	26.92	69.63	90.35	85.22	58.04	18.48	-19.48	-47.34	-62.15	-59.03
-39.14	-11.94	14.92	32.92	40.86	39.76	28.16	6.50	-21.72			

EVOLVING SEASONAL FACTORS

4.50	0.04	-4.40	-7.65	-8.86	-7.76	-4.68	-0.44	3.86	7.11	8.47	7.59
4.68	0.54	-3.66	-6.76	-7.87	-6.73	-3.67	0.54	4.76	7.83	8.85	7.47
3.97	-0.80	-5.85	-9.33	-10.83	-9.57	-5.70	-0.12	5.76	10.45	12.69	11.84
7.98	1.95	-4.87	-10.87	-14.60	-15.08	-12.07	-6.08	1.61	9.24	15.01	17.40
15.57	9.68	0.98	-8.37	-15.84	-19.36	-17.77	-11.42	-2.08	7.55	14.63	17.02
14.10	6.92	-2.10	-9.96	-13.98	-12.71	-6.34	3.32	13.38	20.63	22.56	18.08
7.97	-5.31	-18.28	-27.33	-29.79	-24.63	-12.89	2.52	17.47	27.77	30.40	24.43
11.40	-5.18	-20.67	-30.61	-32.00	-24.26	-9.44	8.26	23.75	32.49	31.84	21.93
5.62	-12.27	-26.46	-32.76	-29.36	-17.24	0.07	17.58	30.33	34.71	29.43	15.94
-1.97	-19.28	-31.07	-34.00	-27.20	-12.57	5.76	22.59	33.08	34.17	25.47	9.32
-9.79	-26.45	-35.90	-35.37	-24.85	-7.16	12.85	29.63	38.35	36.36	23.91	4.21
-17.43	-35.05	-43.71	-40.81	-26.87	-5.43	17.96	37.14	47.11	45.28	32.08	10.86
-13.04	-33.60	-45.64	-46.10	-34.81	-14.60	9.42	31.06	44.65	46.50	35.93	15.53
-9.49	-32.64	-47.78	-50.78	-40.64	-19.80	6.40	31.14	47.97	52.44	43.39	23.26
-2.52	-26.91	-43.22	-47.00	-37.36	-17.19	7.63	29.88	43.09	43.37	30.62	8.51
-16.48	-36.98	-47.02	-43.64	-27.73	-3.84	21.22	40.28	47.90	41.92	24.01	-0.77
-25.45	-43.07	-48.66	-40.61	-21.05	4.69	29.59	46.80	51.41	41.91	20.61	-6.86
-33.10	-50.89	-55.19	-44.57	-21.64	7.61	35.32	53.83	57.80	45.76	20.65	-10.80
-39.87	-58.34	-60.86	-46.52	-19.22	13.44	42.30	59.35	60.03	44.47	17.31	-13.75
-40.22	-55.12	-54.83	-39.96	-15.01	13.02	36.57	49.63	49.13	35.66	13.17	-12.12

LOWER TRIANGULAR FACTORS

21.91	16.61	12.71	12.17	14.25	16.20	15.95	13.90	12.03	11.77	12.72	13.44
12.97	11.65	10.65	10.58	11.01	11.11	10.55	9.67	9.05	9.10	9.57	9.82
9.49	8.78	8.28	8.36	8.84	9.30	9.41	9.18	8.93	8.95	9.23	9.43
9.29	8.91	8.63	8.67	8.91	9.05	8.90	8.59	8.40	8.44	8.59	8.68
8.62	8.50	8.42	8.45	8.52	8.56	8.54	8.49	8.46	8.48	8.51	8.53
8.51											

329512

-1.19 -6.83 -9.83 -9.31 -7.32 -6.68 -8.30 -10.73 -11.96 -10.51 -10.38
-11.46 -12.74 -13.21 -12.85 -12.43 -12.61 -13.40 -14.29 -14.67 -14.37 -13.95 -14.04
-14.73 -15.53 -15.85 -15.60 -15.12 -14.85 -14.99 -15.34 -15.36 -15.36 -15.11 -15.13
-15.50 -15.95 -16.15 -16.02 -15.84 -15.89 -16.20 -16.53 -16.63 -16.53 -16.40 -16.39
-16.50 -16.61 -16.64 -16.57 -16.50 -16.48 -16.52 -16.55 -16.55 -16.51 -16.48 -16.48

-23.87 -28.82 -30.27 -28.81 -27.33 -27.98 -30.35 -32.35 -32.60 -31.56 -30.77 -31.26
-32.49 -33.29 -33.12 -32.45 -32.14 -32.59 -33.54 -34.29 -34.27 -33.80 -33.58 -34.04
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8.58 12.33 14.24 13.54 11.99 11.79 13.46 15.44 16.17 15.62 14.96 15.24
16.46 17.84 18.42 17.96 17.32 17.46 18.52 19.75 20.26 19.87 19.12 18.70
18.93 19.45 19.72 19.49 19.10 19.14 19.71 20.41 20.71 20.52 20.23 20.31
20.80 21.29 21.46 21.30 21.09 21.08 21.25 21.43 21.46 21.36 21.25 21.22
21.28 21.33 21.33 21.28 21.22 21.22

30.03 33.12 33.50 31.90 30.69 31.43 33.34 34.58 34.31 33.27 32.80 33.49
34.97 36.12 36.10 35.36 35.02 35.74 37.14 38.22 38.36 37.79 37.20 37.20
37.74 38.27 38.34 37.98 37.79 38.20 38.99 39.62 39.69 39.40 39.29 39.64
40.22 40.59 40.57 40.35 40.23 40.31 40.51 40.62 40.57 40.43 40.34 40.35
40.41 40.44 40.39 40.32 40.28

42.63 44.17 42.97 40.94 40.40 41.67 43.12 43.26 42.09 40.88 40.77 41.91
43.39 43.89 43.26 42.46 42.57 43.76 45.18 45.88 45.69 45.09 44.82 45.22
45.91 46.29 46.08 45.68 45.76 46.45 47.26 47.62 47.41 47.11 47.21 47.71
48.21 48.36 48.18 47.96 47.93 48.09 48.26 48.28 48.15 48.02 47.97 48.01
48.06 48.05 47.98 47.90

42.80 42.42 40.05 38.17 38.33 39.60 40.18 39.19 37.49 36.48 36.90 38.32
39.27 38.95 37.87 37.24 37.83 39.23 40.38 40.67 40.23 39.74 39.85 40.52
41.16 41.17 40.66 40.34 40.69 41.49 42.07 42.02 41.59 41.36 41.62 42.13
42.44 42.36 42.09 41.93 42.00 42.19 42.28 42.21 42.06 41.97 41.97 42.03
42.07 42.02 41.92

30.65 28.57 25.71 24.53 25.23 26.14 25.66 23.89 22.13 21.60 22.53 23.73
23.86 22.76 21.46 21.19 22.15 23.49 24.25 24.12 23.52 23.27 23.71 24.46
24.73 24.23 23.55 23.41 23.95 24.62 24.77 24.31 23.77 23.69 24.05 24.44
24.51 24.27 24.01 23.95 24.10 24.26 24.27 24.14 24.02 23.99 24.04 24.11
24.11 24.01

9.89 6.73 4.35 4.18 5.20 5.44 4.12 2.02 0.53 0.64 1.77 2.37
1.58 -0.11 -1.30 -1.12 0.03 1.12 1.39 0.83 0.24 0.29 0.95 1.43
1.10 0.20 -0.47 -0.38 0.20 0.53 0.17 -0.57 -1.03 -0.94 -0.56 -0.36
-0.50 -0.79 -0.98 -0.92 -0.74 -0.63 -0.69 -0.81 -0.88 -0.84 -0.75 -0.71
-0.77

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-2.87 0.38 2.67 2.51 0.77 -0.17 1.06 3.67 5.51 5.24 3.46 1.77
1.36 2.22 3.13 3.05 2.04 1.28 1.80 3.19 4.22 4.09 3.20 2.68
3.23 4.37 5.09 4.95 4.37 4.05 4.26 4.72 5.01 4.92 4.64 4.48
4.57 4.75 4.86 4.80 4.66 4.59 4.69

18.21 21.52 22.90 21.79 20.27 20.60 23.14 26.08 27.29 26.36 24.58 23.58
24.11 25.37 26.00 25.46 24.53 24.61 25.99 27.65 28.37 27.91 27.22 27.42
28.58 29.77 30.16 29.77 29.29 29.26 29.65 30.08 30.17 29.93 29.65 29.60
29.73 29.86 29.86 29.72 29.58 29.59

34.10 36.85 36.80 35.05 34.23 35.96 39.30 41.87 42.20 40.85 39.45 39.44
40.73 42.00 42.17 41.31 40.86 41.81 43.73 45.21 45.38 44.69 44.43 45.27
46.65 47.54 47.50 46.97 46.67 46.87 47.34 47.61 47.48 47.15 46.95 46.97
47.10 47.17 47.07 46.88 46.80

40.63 41.82 40.32 38.42 38.68 41.52 44.90 46.59 46.12 44.68 44.05 44.99
46.64 47.57 47.05 46.11 46.30 47.93 49.88 50.73 50.24 49.52 49.75 50.95
52.15 52.51 52.08 51.56 51.48 51.86 52.26 52.30 52.01 51.69 51.58 51.67
51.79 51.77 51.59 51.41

35.59 34.82 32.23 30.73 32.14 35.47 38.23 38.93 37.86 36.70 36.96 38.56
40.10 40.12 38.90 38.15 38.98 40.87 42.26 42.15 41.11 40.56 41.20 42.41
43.14 42.95 42.32 41.94 42.10 42.54 42.77 42.60 42.24 42.02 42.03 42.18
42.26 42.14 41.91

20.24 17.61 14.51 13.86 16.16 19.35 21.19 20.87 19.42 18.83 19.89 21.69
22.32 21.14 19.52 19.18 20.46 22.07 22.43 21.32 20.04 19.83 20.70 21.64
21.79 21.22 20.60 20.46 20.82 21.19 21.21 20.92 20.62 20.55 20.68 20.85
20.83 20.61

-1.26 -5.29 -8.14 -7.71 -4.96 -2.35 -1.71 -3.05 -4.46 -4.32 -2.76 -1.60
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-6.86

329510

UNESCO-PANFOLD BUSINESS FORMS

UNESCO-PANFOLD BUSINESS FORMS

-11.79	-32.61	-44.69	-44.79	-32.89	-12.18	11.79	32.61	44.69	44.79	32.89	12.18
-13.40	-34.26	-45.94	-45.32	-32.55	-11.06	13.40	34.26	45.94	45.32	32.55	11.06
-17.41	-37.49	-47.52	-44.82	-30.11	-7.33	17.41	37.49	47.52	44.82	30.11	7.33
-23.48	-42.53	-50.17	-44.37	-26.69	-1.85	23.48	42.53	50.17	44.37	26.69	1.85
-31.02	-48.30	-52.63	-42.85	-21.60	5.44	31.02	48.30	52.63	42.85	21.60	-5.44

ALPHA COEFFICIENTS

-4.35	-4.38	-4.40	-4.36	-4.25	-4.10	-3.98	-3.90	-3.86	-3.82	-3.75	-3.65
-3.57	-3.57	-3.66	-3.81	-3.96	-4.14	-4.35	-4.56	-4.76	-4.93	-5.06	-5.20
-5.36	-5.53	-5.65	-5.71	-5.71	-5.68	-5.68	-5.73	-5.76	-5.71	-5.55	-5.37
-5.22	-5.08	-4.87	-4.48	-3.92	-3.25	-2.61	-2.06	-1.61	-1.17	-0.70	-0.18
0.34	0.75	0.98	1.13	1.39	1.78	2.17	2.32	2.08	1.52	0.89	0.33
-0.22	-0.98	-2.10	-3.64	-5.54	-7.67	-9.84	-11.81	-13.38	-14.51	-15.31	-16.02
-16.82	-17.65	-18.28	-18.47	-18.20	-17.67	-17.24	-17.17	-17.47	-17.94	-18.36	-18.77
-19.27	-19.93	-20.67	-21.29	-21.70	-21.99	-22.40	-23.03	-23.75	-24.33	-24.66	-24.88
-25.22	-25.80	-26.46	-27.05	-27.59	-28.20	-28.96	-29.74	-30.33	-30.59	-30.54	-30.43
-30.48	-30.74	-31.07	-31.33	-31.49	-31.69	-32.06	-32.58	-33.08	-33.46	-33.75	-34.13
-34.69	-35.35	-35.90	-36.23	-36.41	-36.64	-37.07	-37.68	-38.35	-39.01	-39.71	-40.61
-41.72	-42.84	-43.71	-44.24	-44.63	-45.18	-45.96	-46.73	-47.11	-46.96	-46.46	-45.97
-45.72	-45.69	-45.64	-45.39	-44.94	-44.50	-44.29	-44.39	-44.65	-44.93	-45.23	-45.69
-46.39	-47.19	-47.78	-47.95	-47.78	-47.60	-47.66	-47.91	-47.97	-47.48	-46.41	-45.10
-44.03	-43.45	-43.22	-43.03	-42.75	-42.48	-42.44	-42.69	-43.09	-43.48	-43.89	-44.73
-45.57	-46.43	-47.02	-47.19	-47.10	-47.09	-47.32	-47.68	-47.90	-47.87	-47.74	-47.75
-48.01	-48.38	-48.66	-48.81	-48.98	-49.37	-50.03	-50.79	-51.41	-51.82	-52.18	-52.75
-53.60	-54.52	-55.19	-55.49	-55.62	-55.87	-56.42	-57.15	-57.80	-58.19	-58.45	-58.89
-59.65	-60.44	-60.86	-60.73	-60.36	-60.18	-60.32	-60.42	-60.03	-59.07	-57.91	-56.95
-56.30	-55.70	-54.83	-53.64	-52.39	-51.35	-50.58	-49.90	-49.13	-48.20	-47.27	-46.56

BETA COEFFICIENTS

-7.71	-7.66	-7.68	-7.74	-7.78	-7.76	-7.70	-7.63	-7.60	-7.60	-7.62	-7.59
-7.46	-7.28	-7.08	-6.93	-6.81	-6.73	-6.75	-6.82	-6.96	-7.13	-7.30	-7.47
-7.68	-7.98	-8.36	-8.78	-9.21	-9.57	-9.86	-10.17	-10.56	-11.01	-11.45	-11.84
-12.23	-12.70	-13.30	-13.97	-14.59	-15.08	-15.44	-15.73	-16.05	-16.46	-16.93	-17.40
-17.78	-18.06	-18.34	-18.71	-19.09	-19.36	-19.26	-18.81	-18.23	-17.75	-17.40	-17.02
-16.41	-15.54	-14.53	-13.61	-12.95	-12.71	-13.00	-13.80	-14.93	-16.14	-17.21	-18.08
-18.91	-19.94	-21.25	-22.68	-23.89	-24.63	-24.83	-24.70	-24.53	-24.48	-24.50	-24.43
-24.28	-24.16	-24.19	-24.34	-24.43	-24.26	-23.84	-23.37	-23.04	-22.84	-22.53	-21.93
-21.06	-20.14	-19.35	-18.67	-17.97	-17.24	-16.64	-16.35	-16.36	-16.44	-16.35	-15.94
-15.32	-14.68	-14.17	-13.74	-13.22	-12.57	-11.85	-11.24	-10.79	-10.40	-9.92	-9.31
-8.73	-8.32	-8.13	-7.98	-7.67	-7.16	-6.56	-6.01	-5.57	-5.15	-4.68	-4.20
-3.96	-4.10	-4.53	-4.99	-5.26	-5.42	-5.80	-6.66	-7.91	-9.21	-10.22	-10.86
-11.34	-11.92	-12.71	-13.57	-14.25	-14.60	-14.70	-14.75	-14.92	-15.17	-15.37	-15.53
-15.82	-16.45	-17.43	-18.51	-19.33	-19.80	-20.13	-20.69	-21.60	-22.64	-23.30	-23.26
-22.51	-21.44	-20.40	-19.47	-18.46	-17.19	-15.69	-14.17	-12.76	-11.42	-10.01	-8.51
-7.28	-6.46	-5.98	-5.54	-4.83	-3.84	-2.82	-2.02	-1.47	-0.92	-0.16	0.77
1.67	2.34	2.82	3.32	3.97	4.69	5.29	5.63	5.77	5.94	6.33	6.86
7.27	7.34	7.14	6.98	7.13	7.61	8.21	8.67	8.95	9.28	9.91	10.80
11.60	11.99	12.04	12.16	12.66	13.44	14.02	14.04	13.67	13.37	13.45	13.76
13.94	13.77	13.35	13.00	12.92	13.02	13.03	12.82	12.46	12.17	12.08	12.12

RO COEFFICIENTS

8.85	8.83	8.85	8.88	8.86	8.78	8.67	8.57	8.52	8.51	8.49	8.42
8.27	8.11	7.98	7.91	7.87	7.91	8.03	8.21	8.43	8.66	8.88	9.10
9.37	9.71	10.09	10.47	10.83	11.13	11.38	11.68	12.03	12.40	12.72	13.00
13.29	13.68	14.16	14.67	15.11	15.43	15.66	15.86	16.13	16.50	16.95	17.40
17.78	18.08	18.36	18.74	19.14	19.44	19.39	18.96	18.35	17.81	17.42	17.03
16.41	15.57	14.69	14.09	14.08	14.85	16.30	18.16	20.05	21.70	23.03	24.15
25.31	26.63	28.03	29.25	30.03	30.32	30.23	30.08	30.11	30.35	30.62	30.81
31.00	31.32	31.82	32.34	32.67	32.74	32.71	32.81	33.09	33.37	33.40	33.16
32.86	32.73	32.78	32.87	32.93	33.05	33.40	33.94	34.46	34.73	34.65	34.36
34.11	34.06	34.15	34.21	34.15	34.09	34.18	34.46	34.80	35.04	35.18	35.38
35.77	36.31	36.81	37.10	37.21	37.34	37.64	38.16	38.76	39.35	39.98	40.82
41.90	43.03	43.94	44.52	44.94	45.50	46.33	47.20	47.77	47.86	47.57	47.24
47.11	47.22	47.38	47.38	47.15	46.84	46.67	46.77	47.08	47.42	47.77	48.26
49.02	49.98	50.87	51.40	51.55	51.55	51.74	52.18	52.61	52.60	51.93	50.75
49.45	48.45	47.79	47.23	46.56	45.83	45.25	44.98	44.94	44.96	45.02	45.53
46.15	46.88	47.40	47.51	47.35	47.24	47.41	47.72	47.93	47.88	47.74	47.75
48.04	48.44	48.75	48.92	49.14	49.60	50.31	51.10	51.74	52.16	52.56	53.20
54.10	55.01	55.65	55.93	56.08	56.39	57.01	57.81	58.49	58.93	59.28	59.88
60.77	61.62	62.04	61.94	61.67	61.67	61.93	62.03	61.57	60.57	59.45	58.59
58.00	57.37	56.43	55.20	53.96	52.97	52.23	51.52	50.68	49.71	48.79	48.12

THETA COEFFICIENTS

1.06	1.05	1.05	1.06	1.07	1.08	1.09	1.10	1.10	1.11	1.11	1.12
1.12	1.11	1.09	1.07	1.04	1.02	1.00	0.98	0.97	0.97	0.96	0.96
0.96	0.96	0.98	0.99	1.02	1.04	1.05	1.06	1.07	1.09	1.12	1.14
1.17	1.19	1.22	1.26	1.31	1.36	1.40	1.44	1.47	1.50	1.53	1.56
-1.55	-1.53	-1.52	-1.51	-1.50	-1.48	-1.46	-1.45	-1.46	-1.49	-1.52	-1.55
1.56	1.51	1.43	1.31	1.17	1.03	0.92	0.84	0.84	0.84	0.84	0.85
0.84	0.85	0.86	0.89	0.92	0.95	0.96	0.96	0.95	0.94	0.93	0.92
0.90	0.88	0.86	0.85	0.84	0.83	0.82	0.79	0.77	0.75	0.74	0.72
0.70	0.66	0.63	0.60	0.58	0.55	0.52	0.50	0.49	0.49	0.49	0.48
0.47	0.45	0.43	0.41	0.40	0.38	0.35	0.33	0.32	0.30	0.29	0.27
0.25	0.23	0.22	0.22	0.21	0.19	0.18	0.16	0.14	0.13	0.12	0.10
0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.14	0.17	0.19	0.22	0.23
0.24	0.26	0.27	0.29	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33
0.33	0.34	0.35	0.37	0.38	0.39	0.40	0.41	0.42	0.44	0.47	0.48
0.47	0.46	0.44	0.42	0.41	0.38	0.35	0.32	0.29	0.26	0.22	0.19
0.16	0.14	0.13	0.12	0.10	0.08	0.06	0.04	0.03	0.02	0.00	-0.02
-0.03	-0.05	-0.06	-0.07	-0.08	-0.09	-0.11	-0.11	-0.11	-0.11	-0.12	-0.13
-0.13	-0.13	-0.13	-0.13	-0.13	-0.14	-0.14	-0.15	-0.15	-0.16	-0.17	-0.18
-0.19	-0.20	-0.20	-0.20	-0.21	-0.22	-0.23	-0.23	-0.22	-0.22	-0.23	-0.24
-0.24	-0.24	-0.24	-0.24	-0.24	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25

329506

UNION PACIFIC BUSINESS FORMS

FILTERED SERIES

Table with 12 columns of numerical data representing the filtered series.

EVOLVING SEASONAL FACTORS

Table with 12 columns of numerical data representing evolving seasonal factors.

STABLE SEASONAL FACTORS

Table with 12 columns of numerical data representing stable seasonal factors.

VARIANCE OF STABLE PATTERN 17.79

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

Table with 12 columns of numerical data representing stable seasonal factors determined over 5 intervals.

ALPHA COEFFICIENTS

Table with 12 columns of numerical data representing alpha coefficients.

BETA COEFFICIENTS

Table with 12 columns of numerical data representing beta coefficients.

329504

RO COEFFICIENTS

7.69	7.70	7.71	7.72	7.73	7.74	7.75	7.76	7.77	7.78	7.80	7.81
7.82	7.84	7.85	7.87	7.88	7.90	7.92	7.94	7.95	7.97	7.99	8.01
8.03	8.04	8.06	8.08	8.10	8.11	8.13	8.15	8.17	8.19	8.21	8.22
8.24	8.26	8.28	8.30	8.33	8.35	8.37	8.39	8.41	8.43	8.45	8.47
8.50	8.52	8.55	8.57	8.60	8.63	8.66	8.69	8.73	8.76	8.80	8.84
8.87	8.91	8.96	9.00	9.03	9.07	9.11	9.16	9.21	9.25	9.30	9.34
9.39	9.43	9.48	9.53	9.58	9.63	9.68	9.73	9.78	9.83	9.88	9.93
9.98	10.02	10.07	10.12	10.17	10.22	10.26	10.31	10.36	10.41	10.46	10.51
10.56	10.61	10.66	10.71	10.75	10.80	10.84	10.89	10.93	10.98	11.02	11.06
11.10	11.14	11.18	11.22	10.14	10.19	10.24	10.29	10.34	10.38	10.43	10.48
13.31	13.38	13.45	13.52	13.59	13.66	13.73	13.80	13.86	13.93	14.00	14.06
14.12	14.18	14.24	14.30	14.36	14.42	14.47	14.53	14.58	14.64	14.69	14.74
14.79	14.84	14.89	14.95	15.00	15.05	15.10	15.15	15.20	15.25	15.30	15.36
15.41	15.45	15.50	15.55	15.60	15.65	15.70	15.75	15.81	15.86	15.90	15.95
16.00	16.06	16.11	16.16	16.21	16.26	16.31	16.36	16.42	16.47	16.52	16.58
16.63	16.68	16.73	16.78	16.83	16.88	16.94	16.98	17.04	17.09	17.14	17.19
17.24	17.29	17.35	17.40	17.45	17.50	17.55	17.60	17.65	17.70	17.75	17.80
17.85	17.89	17.94	17.98	18.03	18.07	18.11	18.15	18.20	18.23	18.27	18.31
18.34	18.37	18.40	18.43	18.45	18.47	18.49	18.51	18.53	18.54	18.56	18.57
18.58	18.60	18.61	18.62	18.63	18.65	18.66	18.66	18.67	18.68	18.68	18.69

THETA COEFFICIENTS

0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73
0.73	0.73	0.73	0.73	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
0.72	0.71	0.71	0.71	0.71	0.71	0.70	0.70	0.70	0.70	0.69	0.69
0.69	0.69	0.69	0.68	0.68	0.68	0.68	0.67	0.67	0.67	0.67	0.67
0.66	0.66	0.66	0.66	0.65	0.65	0.65	0.65	0.65	0.64	0.64	0.64
0.64	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62
0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.60
0.60	0.60	0.60	0.60	0.60	0.60	0.59	0.59	0.59	0.59	0.59	0.59
0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
0.59	0.59	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.55
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.54	0.54
0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.53
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52
0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51
0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49
0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47
0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46
0.46	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45
0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45

SEASONAL ANALYSIS FOR FREQUENCY 3*PI/6 N 249 RO 1.00 B 0.98 M120

FILTERED SERIES

1.16	1.37	-3.17	-2.99	1.71	2.93	-1.17	-3.88	-0.19	2.69	-0.22	-2.55
-0.20	2.23	-0.42	-3.31	-0.97	2.62	2.14	-0.78	-1.22	0.98	1.25	-0.22
0.42	7.14	0.42	-11.23	3.27	13.66	-3.22	-14.92	2.53	14.55	-3.12	-14.05
2.66	7.45	-2.72	-1.84	1.59	1.31	-2.83	-2.49	3.41	1.45	-6.08	-1.98
5.01	-1.50	-8.04	-2.18	6.72	0.53	-10.12	1.68	13.93	-0.35	-13.68	-3.19
8.31	-0.58	-12.77	-0.61	10.45	-3.67	-10.52	2.78	8.01	-3.81	-4.09	11.76
15.07	1.09	-1.17	10.55	11.32	0.71	-2.47	4.18	3.17	-3.52	-5.18	-1.92
-1.13	-8.23	-9.72	0.19	4.69	-4.42	-11.02	-3.52	5.92	2.10	-8.29	-6.17
4.94	5.63	-3.78	-4.97	4.53	5.32	-4.05	-5.09	2.24	4.28	0.31	2.03
6.31	3.19	-0.78	1.43	0.05	3.58	8.27	-0.58	-4.61	3.79	8.04	-1.72
-5.27	4.46	5.93	-4.38	-3.60	2.31	0.68	-1.87	-2.48	-0.47	0.66	0.44
-1.10	-2.05	-2.61	-1.10	1.53	-1.45	-6.15	-5.11	-0.40	1.38	-2.47	-4.29
2.13	6.44	1.08	-3.18	0.60	6.65	5.88	0.08	0.98	5.26	0.81	-5.63
-2.26	2.24	-1.15	-4.87	-0.90	1.08	-5.17	-7.18	-0.81	2.05	-5.68	-7.81
1.52	5.28	-0.66	-4.11	3.33	10.54	4.48	-1.35	6.60	7.61	-1.07	1.56
9.31	3.59	-7.23	-2.92	6.23	-0.68	-13.33	-8.97	4.39	5.43	-7.07	-10.30
3.76	9.16	-5.32	-11.62	2.89	9.05	-3.97	-9.09	4.68	9.40	-1.18	-6.45
2.04	7.28	-3.07	-6.67	7.05	9.15	-9.81	-10.37	8.21	7.48	-10.50	-9.14
7.52	3.71	-10.13	-2.57	9.53	1.93	-9.91	-9.23	2.34	6.45	-4.05	-6.93
6.13	11.00	-2.77	-11.21	-0.56	9.57	1.34	-6.40	5.21	11.29	-4.85	-10.02
5.81	6.83	-9.35	-11.68	8.10	13.59	-7.94	-16.11	3.13			

EVOLVING SEASONAL FACTORS

2.98	-2.84	-2.98	2.86	2.98	-2.88	-2.99	2.90	2.99	-2.93	-3.00	2.97
3.01	-3.02	-3.02	3.07	3.03	-3.13	-3.04	3.19	3.04	-3.25	-3.02	3.31
2.98	-3.38	-2.92	3.44	2.84	-3.50	-2.76	3.97	2.67	-3.64	-2.59	3.71
2.51	-3.78	-2.43	3.85	2.35	-3.92	-2.28	3.98	2.21	-4.03	-2.14	4.08
2.07	-4.10	-2.01	4.12	1.95	-4.12	-1.89	4.12	1.84	-4.10	-1.79	4.07
1.75	-4.03	-1.73	4.00	1.72	-3.94	-1.71	3.90	1.72	-3.83	-1.74	3.78
1.74	-3.72	-1.80	3.66	1.83	-3.61	-1.88	3.54	1.93	-3.48	-2.00	3.40
2.06	-3.32	-2.12	3.23	2.17	-3.14	-2.22	3.05	2.27	-2.95	-2.31	2.86
2.34	-2.76	-2.37	2.67	2.41	-2.57	-2.45	2.48	2.49	-2.39	-2.53	2.32
2.58	-2.26	-2.62	2.21	2.54	-2.06	-2.59	2.05	2.63	-2.04	-2.67	2.25
3.04	-2.26	-3.10	2.28	3.17	-2.31	-3.25	2.33	3.33	-2.36	-3.42	2.38
3.51	-2.41	-3.60	2.43	3.69	-2.46	-3.77	2.49	3.86	-2.52	-3.94	2.57
4.03	-2.62	-4.11	2.67	4.20	-2.74	-4.28	2.81	4.37	-2.88	-4.46	2.95
4.55	-3.02	-4.64	3.09	4.72	-3.17	-4.81	3.24	4.89	-3.32	-4.97	3.41
5.05	-3.50	-5.13	3.58	5.22	-3.66	-5.31	3.74	5.41	-3.81	-5.51	3.86
5.61	-3.91	-5.71	3.96	5.80	-4.01	-5.89	4.06	5.97	-4.10	-6.04	4.15
6.11	-4.20	-6.17	4.25	6.23	-4.31	-6.29	4.37	6.35	-4.42	-6.41	4.46
6.46	-4.50	-6.50	4.53	6.55	-4.56	-6.59	4.57	6.65	-4.58	-6.71	4.58
6.77	-4.58	-6.82	4.58	6.88	-4.58	-6.93	4.58	6.98	-4.59	-7.02	4.62
7.06	-4.64	-7.09	4.66	7.12	-4.67	-7.15	4.68	7.17	-4.69	-7.18	4.69

STABLE SEASONAL FACTORS

3.81	-3.43	-3.81	3.43	3.81	-3.43	-3.81	3.43	3.81	-3.43	-3.81	3.43
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VARIANCE OF STABLE PATTERN 2.62

329502

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

Table with 12 columns of seasonal factors ranging from 2.71 to 6.40 and -3.40 to -4.35.

ALPHA COEFFICIENTS

Table with 12 columns of alpha coefficients ranging from -2.98 to -7.18.

BETA COEFFICIENTS

Table with 12 columns of beta coefficients ranging from 2.84 to 4.63.

RO COEFFICIENTS

Table with 12 columns of ro coefficients ranging from 4.11 to 8.44.

THETA COEFFICIENTS

Table with 12 columns of theta coefficients ranging from -0.76 to -0.58.

529500

UNIVERSITY MICROFILMS

UNIVERSITY MICROFILMS

FILTERED SERIES

Table with 12 columns of numerical data representing the filtered series.

EVOLVING SEASONAL FACTORS

Table with 12 columns of numerical data representing evolving seasonal factors.

STABLE SEASONAL FACTORS

Table with 12 columns of numerical data representing stable seasonal factors.

VARIANCE OF STABLE PATTERN 3.46

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

Table with 12 columns of numerical data representing stable seasonal factors determined over 5 intervals.

ALPHA COEFFICIENTS

Table with 12 columns of numerical data representing alpha coefficients.

BETA COEFFICIENTS

Table with 12 columns of numerical data representing beta coefficients.

329498

-7.99 -8.00 -8.01 -8.01 -8.02 -8.02 -8.03 -8.03 -8.03 -8.03 -8.03

RO COEFFICIENTS

3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34
3.34	3.34	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.34	3.34	3.35
3.35	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46	3.46
3.47	3.49	3.50	3.51	3.52	3.53	3.54	3.55	3.56	3.57	3.59	3.60	3.60
3.61	3.62	3.64	3.65	3.67	3.68	3.70	3.72	3.73	3.75	3.77	3.79	3.79
3.81	3.83	3.85	3.87	3.89	3.91	3.93	3.95	3.97	3.99	4.02	4.04	4.04
4.06	4.09	4.11	4.14	4.16	4.19	4.21	4.24	4.26	4.29	4.31	4.34	4.34
4.36	4.39	4.41	4.44	4.46	4.49	4.51	4.54	4.56	4.59	4.61	4.64	4.64
4.66	4.68	4.71	4.74	4.76	4.79	4.81	4.84	4.86	4.89	4.91	4.93	4.93
4.96	4.98	5.00	5.02	5.05	5.08	5.11	5.14	5.16	5.19	5.21	5.24	5.24
5.26	5.29	5.31	5.34	5.36	5.39	5.41	5.44	5.46	5.49	5.51	5.54	5.54
5.56	5.59	5.61	5.64	5.67	5.69	5.72	5.74	5.77	5.79	5.82	5.84	5.84
5.86	5.89	5.91	5.94	5.97	5.99	6.02	6.04	6.07	6.09	6.12	6.14	6.14
6.16	6.19	6.21	6.24	6.27	6.29	6.32	6.34	6.37	6.39	6.42	6.44	6.44
6.46	6.49	6.51	6.54	6.57	6.59	6.62	6.64	6.67	6.69	6.72	6.74	6.74
6.76	6.79	6.81	6.84	6.87	6.89	6.92	6.94	6.97	6.99	7.02	7.04	7.04
7.06	7.09	7.11	7.14	7.17	7.19	7.22	7.24	7.27	7.29	7.32	7.34	7.34
7.36	7.39	7.41	7.44	7.47	7.49	7.52	7.54	7.57	7.59	7.62	7.64	7.64
7.66	7.69	7.71	7.74	7.77	7.79	7.82	7.84	7.87	7.89	7.92	7.94	7.94
7.96	7.99	8.01	8.04	8.07	8.09	8.12	8.14	8.17	8.19	8.22	8.24	8.24
8.26	8.29	8.31	8.34	8.37	8.39	8.42	8.44	8.47	8.49	8.52	8.54	8.54

THETA COEFFICIENTS

1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54
1.54	1.54	1.53	1.53	1.53	1.52	1.52	1.52	1.51	1.51	1.51	1.51	1.51
1.50	1.50	1.50	1.50	1.49	1.49	1.49	1.49	1.49	1.49	1.48	1.48	1.48
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.48	1.48	1.48	1.48	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
1.46	1.46	1.46	1.46	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
1.45	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.43	1.43	1.43	1.43
1.43	1.43	1.43	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
1.42	1.42	1.42	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
1.40	1.40	1.40	1.40	1.40	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
1.39	1.39	1.39	1.39	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
1.38	1.38	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37

SEASONAL ANALYSIS FOR FREQUENCY 5*PI/6 N 249 RO 1.00 B 0.99 M120

FILTERED SERIES

-1.23	-1.41	1.66	-3.09	2.24	-0.84	-0.24	0.30	-1.64	1.35	-1.11	0.71	
-0.54	-0.10	0.08	-1.12	0.46	-0.38	1.36	-0.15	-0.18	0.66	-0.94	1.72	
-0.38	5.86	-8.93	5.53	3.05	-8.38	11.50	-12.82	9.99	-4.87	-2.16	9.11	
-14.09	8.69	-1.02	-1.31	2.17	-2.98	1.75	-1.23	0.98	-1.47	-1.08	2.82	
-4.87	2.13	-1.86	-2.59	5.03	-7.77	5.03	1.26	-3.41	5.97	-6.68	2.05	
-2.26	-1.92	1.12	-1.20	-1.35	-0.72	2.54	-4.56	2.85	-1.40	3.49	3.30	
1.76	6.49	0.88	3.62	2.99	2.46	1.60	-0.34	-0.31	1.54	-4.38	0.60	
-2.98	-5.60	1.83	-5.61	2.86	-3.58	-3.00	0.82	-3.53	3.87	-5.55	1.67	
-0.69	-1.02	3.61	-4.57	5.05	-3.84	2.07	0.48	-4.71	6.86	-4.62	7.45	
-1.66	0.65	6.07	-6.53	4.51	3.73	-2.65	3.85	-0.37	-0.01	3.82	-4.53	
6.79	-4.49	1.65	1.71	-2.28	0.16	-0.92	1.87	-4.12	2.93	-2.78	1.87	
-0.89	-1.93	0.53	-2.13	2.09	-4.04	0.29	-3.01	-1.61	2.09	-4.87	3.45	
-1.45	1.21	2.56	-2.38	3.26	0.22	2.85	1.59	1.26	1.58	-2.21	1.87	
-2.48	-0.96	0.74	-2.96	2.33	-4.87	0.04	-1.30	-3.77	2.69	-7.38	4.34	
-4.30	0.57	4.16	-6.62	9.97	-4.21	5.14	4.51	-1.86	4.97	-1.22	6.30	
-1.46	1.38	1.16	-2.72	2.55	-5.30	-0.47	-3.54	-2.34	4.05	-7.35	3.82	
-2.56	-0.51	1.89	-5.22	4.72	-5.51	3.75	-1.03	-1.26	3.53	-1.34	1.75	
-0.83	0.51	-1.08	1.97	1.65	-2.35	-0.34	1.72	-4.23	2.71	-2.76	0.40	
-0.91	-4.25	5.65	-4.40	1.38	1.39	-4.16	-1.49	-0.83	0.14	-1.13	1.32	
0.92	1.16	0.45	-2.14	-0.06	0.61	-0.21	2.92	1.70	-0.98	0.35	1.65	
-2.24	-0.94	0.34	-4.49	6.19	-4.32	1.46	-0.72	-5.03				

EVOLVING SEASONAL FACTORS

1.28	-2.11	2.37	-2.00	1.10	0.10	-1.27	2.11	-2.38	2.02	-1.12	-0.09	
1.27	-2.12	2.40	-2.04	1.14	0.08	-1.27	2.13	-2.42	2.06	-1.14	-0.09	
1.30	-2.15	2.43	-2.04	1.10	0.14	-1.34	2.17	-2.41	1.99	-1.03	-0.20	
1.38	-2.18	2.36	-1.94	0.96	0.27	-1.43	2.19	-2.36	1.88	-0.88	-0.35	
1.47	-2.20	2.32	-1.81	0.81	0.41	-1.50	2.19	-2.27	1.74	-0.74	-0.47	
1.54	-2.18	2.24	-1.67	0.66	0.54	-1.58	2.19	-2.20	1.61	-0.57	-0.62	
1.64	-2.21	2.17	-1.54	0.49	0.70	-1.70	2.23	-2.15	1.48	-0.41	-0.77	
1.74	-2.24	2.12	-1.43	0.34	0.83	-1.78	2.24	-2.09	1.38	-0.28	-0.88	
1.81	-2.24	2.06	-1.32	0.23	0.92	-1.82	2.21	-2.01	1.27	-0.18	-0.95	
1.81	-2.19	1.97	-1.23	-0.01	0.95	-1.64	1.88	-1.63	0.93	0.02	-1.18	
2.00	-2.29	1.96	-1.10	-0.06	1.21	-2.04	2.33	-2.00	1.12	0.06	-1.23	
2.08	-2.38	2.05	-1.14	-0.06	1.26	-2.12	2.42	-2.06	1.15	0.07	-1.28	
2.16	-2.46	2.10	-1.17	-0.08	1.31	-2.20	2.50	-2.13	1.18	0.09	-1.34	
2.24	-2.54	2.16	-1.19	-0.10	1.36	-2.27	2.56	-2.17	1.19	0.11	-1.38	
2.28	-2.57	2.17	-1.19	-0.11	1.39	-2.29	2.57	-2.17	1.18	0.13	-1.40	
2.29	-2.57	2.16	-1.17	-0.14	1.40	-2.29	2.56	-2.14	1.15	0.15	-1.41	
2.28	-2.54	2.11	-1.12	-0.17	1.41	-2.27	2.52	-2.08	1.09	0.19	-1.42	
2.27	-2.50	2.06	-1.07	-0.21	1.43	-2.26	2.48	-2.04	1.05	0.22	-1.42	
2.25	-2.47	2.03	-1.05	-0.22	1.42	-2.24	2.46	-2.02	1.04	0.22	-1.42	
2.24	-2.47	2.03	-1.05	-0.22	1.42	-2.25	2.47	-2.03	1.05	0.22	-1.43	

STABLE SEASONAL FACTORS

1.87	-2.33	2.17	-1.42	0.30	0.91	-1.87	2.33	-2.17	1.42	-0.30	-0.91	
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VARIANCE OF STABLE PATTERN 0.91

529496

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

1.34	-2.15	2.38	-1.98	1.04	0.17	-1.34	2.15	-2.38	1.98	-1.04	-0.17
1.39	-2.16	2.36	-1.92	0.97	0.25	-1.39	2.16	-2.36	1.92	-0.97	-0.25
1.47	-2.18	2.32	-1.83	0.85	0.36	-1.47	2.18	-2.32	1.83	-0.85	-0.36
1.56	-2.20	2.26	-1.71	0.70	0.49	-1.56	2.20	-2.26	1.71	-0.70	-0.49
1.64	-2.21	2.19	-1.59	0.55	0.63	-1.64	2.21	-2.19	1.59	-0.55	-0.63
1.71	-2.21	2.12	-1.47	0.42	0.75	-1.71	2.21	-2.12	1.47	-0.42	-0.75
1.80	-2.23	2.06	-1.34	0.26	0.89	-1.80	2.23	-2.06	1.34	-0.26	-0.89
1.89	-2.26	2.03	-1.25	0.14	1.01	-1.89	2.26	-2.03	1.25	-0.14	-1.01
1.97	-2.31	2.02	-1.20	0.05	1.11	-1.97	2.31	-2.02	1.20	-0.05	-1.11
2.06	-2.36	2.04	-1.16	-0.02	1.20	-2.06	2.36	-2.04	1.16	0.02	-1.20
2.15	-2.44	2.07	-1.15	-0.08	1.29	-2.15	2.44	-2.07	1.15	0.08	-1.29
2.21	-2.50	2.12	-1.17	-0.09	1.33	-2.21	2.50	-2.12	1.17	0.09	-1.33
2.25	-2.53	2.14	-1.17	-0.11	1.36	-2.25	2.53	-2.14	1.17	0.11	-1.36
2.27	-2.54	2.13	-1.15	-0.14	1.39	-2.27	2.54	-2.13	1.15	0.14	-1.39
2.27	-2.53	2.11	-1.13	-0.16	1.41	-2.27	2.53	-2.11	1.13	0.16	-1.41
2.27	-2.51	2.08	-1.10	-0.18	1.41	-2.27	2.51	-2.08	1.10	0.18	-1.41

ALPHA COEFFICIENTS

2.37	2.37	2.37	2.37	2.38	2.38	2.38	2.38	2.38	2.39	2.39	2.39
2.40	2.40	2.40	2.40	2.41	2.41	2.41	2.42	2.42	2.42	2.43	2.43
2.42	2.43	2.43	2.42	2.42	2.42	2.41	2.41	2.41	2.40	2.40	2.39
2.39	2.39	2.38	2.38	2.37	2.37	2.37	2.36	2.36	2.35	2.34	2.34
2.33	2.32	2.32	2.31	2.30	2.29	2.29	2.28	2.27	2.27	2.26	2.25
2.25	2.24	2.24	2.23	2.22	2.22	2.21	2.21	2.20	2.20	2.19	2.19
2.18	2.18	2.18	2.17	2.17	2.16	2.16	2.15	2.15	2.14	2.14	2.14
2.13	2.13	2.12	2.12	2.11	2.11	2.10	2.10	2.09	2.09	2.08	2.08
2.07	2.07	2.06	2.05	2.04	2.04	2.03	2.02	2.01	2.00	2.00	1.99
1.98	1.98	1.97	1.97	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.94
1.95	1.95	1.96	1.96	1.97	1.98	1.98	1.99	2.00	2.00	2.01	2.02
2.02	2.03	2.03	2.04	2.04	2.05	2.05	2.06	2.06	2.07	2.07	2.08
2.09	2.09	2.10	2.10	2.11	2.11	2.12	2.12	2.13	2.13	2.14	2.14
2.15	2.15	2.16	2.16	2.16	2.16	2.17	2.17	2.17	2.17	2.17	2.17
2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.16
2.16	2.16	2.16	2.16	2.15	2.15	2.15	2.14	2.14	2.14	2.13	2.13
2.12	2.12	2.11	2.11	2.10	2.10	2.09	2.09	2.08	2.08	2.08	2.07
2.07	2.06	2.06	2.06	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.03
2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03
2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.03

BETA COEFFICIENTS

0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09
0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09
0.10	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
0.21	0.23	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32	0.33	0.35
0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.47
0.48	0.49	0.50	0.51	0.53	0.54	0.55	0.57	0.58	0.59	0.61	0.62
0.63	0.65	0.66	0.68	0.69	0.70	0.71	0.73	0.74	0.75	0.76	0.77
0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.86	0.87	0.88
0.89	0.90	0.90	0.91	0.91	0.92	0.93	0.93	0.93	0.94	0.94	0.95
0.95	0.95	0.96	0.96	0.95	0.95	0.95	0.95	0.96	0.96	0.97	1.18
1.19	1.19	1.19	1.20	1.20	1.21	1.21	1.22	1.22	1.22	1.23	1.23
1.24	1.24	1.25	1.25	1.25	1.26	1.26	1.27	1.27	1.28	1.28	1.28
1.29	1.29	1.30	1.30	1.31	1.31	1.32	1.32	1.33	1.33	1.33	1.34
1.34	1.35	1.35	1.36	1.36	1.36	1.37	1.37	1.37	1.37	1.38	1.38
1.38	1.38	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.40
1.40	1.40	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41	1.41	1.41
1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.42	1.42
1.42	1.42	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.42	1.42
1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
1.42	1.42	1.42	1.42	1.42	1.42	1.43	1.43	1.43	1.43	1.43	1.43

RO COEFFICIENTS

2.37	2.37	2.37	2.38	2.38	2.38	2.38	2.38	2.39	2.39	2.39	2.39
2.40	2.40	2.40	2.41	2.41	2.41	2.42	2.42	2.42	2.43	2.43	2.43
2.43	2.43	2.43	2.43	2.42	2.42	2.42	2.42	2.41	2.41	2.41	2.40
2.40	2.40	2.39	2.39	2.39	2.39	2.38	2.38	2.38	2.37	2.37	2.36
2.36	2.35	2.35	2.34	2.34	2.33	2.32	2.32	2.32	2.31	2.31	2.30
2.30	2.29	2.29	2.29	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.27
2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27
2.25	2.25	2.25	2.24	2.24	2.23	2.23	2.22	2.22	2.21	2.21	2.20
2.20	2.20	2.19	2.19	1.87	1.88	1.88	1.88	1.89	1.89	1.90	2.27
2.28	2.29	2.29	2.30	2.31	2.32	2.32	2.33	2.34	2.35	2.35	2.36
2.37	2.38	2.38	2.39	2.40	2.40	2.41	2.42	2.42	2.43	2.44	2.44
2.45	2.46	2.47	2.47	2.48	2.49	2.49	2.50	2.51	2.51	2.52	2.53
2.53	2.54	2.54	2.55	2.55	2.56	2.56	2.57	2.57	2.57	2.57	2.57
2.57	2.57	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58
2.58	2.58	2.57	2.57	2.57	2.57	2.57	2.56	2.56	2.56	2.55	2.55
2.55	2.54	2.54	2.54	2.53	2.53	2.53	2.52	2.52	2.52	2.52	2.51
2.51	2.51	2.51	2.50	2.50	2.50	2.50	2.49	2.49	2.49	2.48	2.48
2.48	2.48	2.48	2.48	2.48	2.47	2.47	2.47	2.47	2.47	2.47	2.47
2.47	2.47	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.49

THETA COEFFICIENTS

0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08
0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.14	0.15
0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.28
0.28	0.29	0.30	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.34	0.35
0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.40	0.40
0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44
0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61

329494

FILTERED SERIES

Table with 12 columns of numerical data representing filtered series values.

EVOLVING SEASONAL FACTORS

Table with 12 columns of numerical data representing evolving seasonal factors.

STABLE SEASONAL FACTORS

Table with 12 columns of numerical data representing stable seasonal factors.

VARIANCE OF STABLE PATTERN 1.37

STABLE SEASONAL FACTORS DETERMINED OVER 5 INTERVALS

Table with 12 columns of numerical data representing stable seasonal factors determined over 5 intervals.

ALPHA COEFFICIENTS

Table with 12 columns of numerical data representing alpha coefficients.

BETA COEFFICIENTS

Table with 12 columns of numerical data representing beta coefficients.

329492

1878.16	1874.99	1908.16	1923.87	1951.88	1976.6	1981.06	1987.00	1979.30	1988.06	1995.21	1982.05
1982.97	2010.01	1951.14	1955.32	1951.37	1957.24	1938.68	1927.38	1913.58	1898.96	1904.15	1890.45
1893.17	1892.08	1887.77	1869.48	1870.51	1880.8	1882.63	1872.16	1863.38	1860.21	1876.02	1898.33
1909.04	1917.05	1936.49	1947.63	1990.10	2029.01	2041.01	2049.03	2052.96	2041.40	2040.24	2041.57
2037.01	2046.01	2031.18	2006.16	2007.91	2008.38	1996.61	2003.57	2006.88	2007.71	2028.31	2043.48
2056.13	2077.36	2103.52	2115.89	2154.95	2189.99	2203.76	2257.25	2276.73	2307.20	2324.16	2329.00
2337.57	2334.17	2312.24	2280.65	2252.46	2222.87	2229.35	2227.03	2198.49	2187.49	2191.78	2187.97
2197.50	2201.85	2207.57	2219.83	2247.82	2258.99	2264.65	2298.25	2300.85	2311.26	2319.08	2336.68
2355.89	2377.87	2391.47	2399.43	2421.73	2424.17	2434.14	2423.68	2440.07	2433.73	2454.85	2475.82
2488.20	2472.22	2494.69	2522.56	2531.86	2559.21	2573.62	2582.32	2599.28	2631.93	2685.05	2712.06
2711.23	2719.82	2725.69	2769.34	2840.66	2888.44	2912.16	2932.63	2948.33	2964.35	2990.75	3005.26
3016.03	3046.95	3044.80	3083.82	3122.51	3131.27	3145.82	3180.31	3171.75	3199.99	3245.54	3272.68

329488

ESTIMATED SPECTRA USING AN EVOLVING SEASONAL

LAG	ORIGINAL	FILTERED	RESIDUAL	ADJUSTED
0	2.556375E 06	2.065591E 01	1.627412E 01	2.548560E 06
1	9.087816E 05	5.012897E 01	4.135219E 01	9.063081E 05
2	1.479737E 05	1.497093E 02	1.281168E 02	1.477286E 05
3	2.985796E 04	3.006592E 02	2.609197E 02	2.979200E 04
4	1.191821E 04	4.195242E 02	3.560693E 02	1.179405E 04
5	5.310871E 03	4.291450E 02	3.455459E 02	5.181344E 03
6	2.317603E 03	3.743110E 02	2.645857E 02	2.184239E 03
7	1.149302E 03	3.754712E 02	1.833854E 02	9.345083E 02
8	1.171364E 03	7.099883E 02	1.186260E 02	4.407197E 02
9	2.262348E 03	1.803055E 03	6.723877E 01	2.211144E 02
10	2.958094E 03	2.772944E 03	4.430569E 01	1.411031E 02
11	2.046658E 03	2.174701E 03	5.508498E 01	1.202824E 02
12	7.860046E 02	8.777134E 02	8.257936E 01	1.128612E 02
13	2.485913E 02	2.685139E 02	9.927885E 01	9.220233E 01
14	1.052498E 02	1.248645E 02	8.393520E 01	5.931660E 01
15	5.322993E 01	6.240157E 01	5.517470E 01	3.796208E 01
16	5.027011E 01	4.804230E 01	3.935641E 01	3.441449E 01
17	7.617159E 01	6.304553E 01	3.927647E 01	4.225301E 01
18	1.776900E 02	1.540235E 02	6.048059E 01	6.397163E 01
19	3.790503E 02	3.593113E 02	8.666383E 01	8.064955E 01
20	4.708992E 02	4.857290E 02	8.373964E 01	7.082800E 01
21	3.104207E 02	3.416804E 02	5.846278E 01	5.179379E 01
22	1.138114E 02	1.227773E 02	3.606651E 01	4.028320E 01
23	3.652129E 01	2.966159E 01	2.053355E 01	2.913159E 01
24	1.925546E 01	1.263539E 01	1.163728E 01	1.841849E 01
25	1.469671E 01	1.058937E 01	9.957385E 00	1.393205E 01
26	1.433028E 01	1.072032E 01	1.040025E 01	1.370145E 01
27	1.571918E 01	1.091791E 01	9.749633E 00	1.366127E 01
28	2.533752E 01	1.997844E 01	9.037520E 00	1.256101E 01
29	5.071921E 01	4.697414E 01	1.015534E 01	1.251600E 01
30	7.152666E 01	7.268652E 01	1.468524E 01	1.596351E 01
31	5.842938E 01	6.362157E 01	1.870836E 01	1.826353E 01
32	2.884975E 01	3.458183E 01	1.755539E 01	1.456307E 01
33	1.482320E 01	2.033878E 01	1.556094E 01	1.105063E 01
34	1.427686E 01	1.919240E 01	1.522226E 01	1.128186E 01
35	1.366997E 01	1.748630E 01	1.437852E 01	1.174527E 01
36	1.285185E 01	1.687752E 01	1.486094E 01	1.174641E 01
37	1.562508E 01	2.010789E 01	1.665591E 01	1.291933E 01
38	3.221782E 01	3.450186E 01	1.768257E 01	1.974809E 01
39	7.604805E 01	7.435898E 01	1.877908E 01	1.913013E 01
40	1.072375E 02	1.033844E 02	1.878758E 01	2.043134E 01
41	8.214606E 01	7.685983E 01	1.661642E 01	2.016458E 01
42	4.135808E 01	3.405481E 01	1.408825E 01	1.988693E 01
43	2.292329E 01	1.549790E 01	1.125774E 01	1.748091E 01
44	1.521151E 01	9.471569E 00	8.012208E 00	1.284803E 01
45	1.066965E 01	6.131893E 00	5.318068E 00	9.057115E 00
46	9.279263E 00	5.043040E 00	3.985382E 00	7.603517E 00
47	9.439022E 00	5.619842E 00	4.723689E 00	8.031239E 00
48	1.234173E 01	9.207869E 00	6.276924E 00	8.526269E 00
49	1.931622E 01	1.675458E 01	6.811435E 00	7.973432E 00
50	2.248106E 01	2.120058E 01	6.861744E 00	7.120507E 00
51	1.604758E 01	1.726587E 01	8.043387E 00	6.544641E 00
52	1.001244E 01	1.490234E 01	1.262043E 01	7.573135E 00
53	1.056200E 01	1.991620E 01	1.987738E 01	1.042288E 01
54	1.174209E 01	2.497504E 01	2.456015E 01	1.157032E 01
55	1.035749E 01	2.619315E 01	2.568634E 01	9.972945E 00

