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METHODOLOGY BRANCH

COMPARISON OF REVISIONS IN SEASONALLY ADJUSTED EXTERNAL TRADE SERIES OBTAINED THROUGH THE USE OF CONCURRENT VERSUS FORECAST FACTORS

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RÉSUMÉ

Cette étude compare les révisions annuelles de treize séries du commerce international désaisonnalisées à l'aide de facteurs saisonniers courants et prévus L'importance de l'analyse vient du fait que les observations les plus récentes sont préliminaires, et donc ultérieurement corrigées puis désaisonnalisées. Les résultats montrent que même si la correction des observations préliminaires avoisine le 10%, les l'application des facteurs saisonniers courants est supérieure. En général, plus la correction apportée aux observations préliminaires est petite, plus le gain associé à l'utilisation des facteurs saisonniers courants est grand.

1.0 INTRODUCTION

It has been shown theoretically through the analysis of the X11ARIMA filters (Dagum 1982a, b and c) and demonstrated empirically through many case studies from different sectors of the economy in Canada (Morry (1981), Dagum and Morry (1984), Dagum and Morry (1985)) and other countries (Bauer and Wilcox (1981), Pierce and McKenzie (1987)) that concurrent (sometimes referred to as endpoint) seasonal adjustment of a time series yields smaller year end revisions than seasonal adjustment based on seasonal forecast factors obtained once a year. The reason for this is that the concurrent method uses all the information available at a time point for the estimation of the seasonal factor while the forecast method ignores information contained in sometimes as many as the last eleven (from time t-10 to time t) months of the time series.

All the above studies assume that the original data remains fixed or undergoes minimal revisions as time progresses.

This present paper intends to investigate the relative merits of the two seasonal adjustment approaches (concurrent and forecasting) applied to a set of international trade series which are subject to revisions of varying degree. The aim of this analysis is to help decide if the concurrent method is still superior in the presence of revisions and if not under what conditions should one method be preferable to the other.

This paper is organized in the following fashion. Section 2 describes the type of series included in the analysis along with the methodology applied for measuring the revisions in the two

methods of seasonal adjustment. The actual analysis of the revisions is presented in Section 3. Finally, Section 4 summarizes the findings of the study.

2.0 DESCRIPTION OF THE METHODOLOGY APPLIED FOR THE ANALYSIS OF REVISIONS

The series analysed in this study were selected by subject matter experts in the international trade division and, apart from the obvious choice of the total import and export series, they include eleven commodity series, (six import and five export series) that represent a good cross-section of international trade data as far as average revision size goes. A complete list of these series is given in Table 1 below.

Table 1 - Commodity Series Included in the Study

	Import Series
M302	Coal and other related products
M303	Crude Petroleum
M505	Other Industrial Machinery
M515	Other Transport Equipment & Parts
M516	Apparel and Apparel Accessories
M518	Printed Matter
	Export Series
X411	Petroleum and Coal Products
X417	Nickel
X419	Zinc
X501	Industrial Machinery
X505	TV Telecommunication

The average revision size ranges from a minimum of almost nil in the case of M515, M516, M518 to a maximum average size of around 10% for M303. The timing of revisions varies as well, from series that undergo substantial revisions for one to three months after they are first published (M303, X501, X506) to series that get revised mostly at the end of the calendar year (M505, X411), while the rest exhibit a sporadic pattern of revisions.

The period analysed in this study is the 16 months starting in January 1990 and ending in April 1991. The seasonal adjustment options applied were the same ones used for the officially published figures. The seasonal adjustment using forecast factors followed the usual pattern i.e., forecast factors obtained in April of each year were divided into the raw data up to March of the following year to obtain the corresponding seasonally adjusted series.

The concurrent seasonal adjustment approach simply meant processing the data sixteen times through the X11ARIMA/88 program, varying the ending month of the series from January 1990 to April 1991. In accordance with recommended practices concerning trading-day adjustment, trading-day factors (where applicable) were kept fixed from April of one year to March of the next year and reestimated again the following April. For the purposes of this analysis, the seasonally adjusted series obtained when processing data ending in April, 1991 through X11ARIMA/88 is considered the 'final' series and all previously obtained values for the sixteen months in question are compared to these figures.

Since at present the international trade series are seasonally adjusted by applying forecast factors produced once a year, the forecast factor approach will serve as the basis for comparison and this study will investigate if the concurrent methodology constitutes an improvement over it or not. There will be two types of criteria used for choosing between the two approaches one based on the size of revisions and another one based on the consistency of the direction of revisions (upward or downward) for a given data point.

The revisions calculated will be those that occur in a given data point as the series is extended by one month at a time;

i.e. $R^{i+1}_t = X^{i+1}_t - X^i_t$

where R is the revision size

X can refer to either the original or the seasonally adjusted data

t is the time point under observation, here t varies from 1 to 16, (January 1990=1,..., April 1991=16)

i+1 is the endpoint of the series and can range from t+1 to 16.

There is another revision that is of primary importance, this is the so-called 'final' revision. Normally a seasonally adjusted estimate is considered <u>final</u> when it is at least three years away from the end point and the <u>final revision</u> would be calculated by subtracting the estimate as it was first published from the estimate of the same data point three years later. Since we only

have 16 points included in this study, there are no true final revisions. What we calculate as 'final revision' is the difference between the best possible estimate (those obtained through seasonally adjusting all the data up to 1991 April) and the estimates as they were first published;

i.e. $R^{Final}_t = R^{16}_t = X^{16}_t - X^t_t \quad t=1,\ldots,15.$

This type of revision is highly relevant since it also gives an indication of the revision size to be expected during the annual revision exercise.

In order to facilitate the comparisons between the two seasonal adjustment approaches, the revision sizes are summarized in the average absolute revision statistics. The maximum absolute revision is also calculated.

There is a further consideration when dealing with revisions; i.e. the consistency in the sign of revisions, since it is less confusing for the users to have revisions that instead of oscillating, approach a final value monotonically. This monotonicity can be measured by the number of reversals in the sign of revision associated with a given data point. Thus preference is given to the method with lower number of reversals.

3.0 ANALYSIS OF REVISIONS

3.1 Commodity Series

As mentioned earlier, the eleven import-export commodity series were selected to represent series that undergo revisions of different sizes and different patterns. Thus it was not surprising that the revision patterns of the seasonally adjusted data also varied a great deal. Appendix A contains eleven sets of tables corresponding to the eleven series. Each set consists of three tables, the first one presenting information on the original series, while the second and third tables refer to the seasonally adjusted series using forecast and concurrent factors respectively. Each individual table can be divided into three sections. The first section gives the actual levels of the series when the series ended in January 1990 (1), February 1990 (2),..., April 1991 (16). The second section lists the corresponding monthly revisions. The last line of the section beginning with the number 17 gives the 'final revision' for the month in question. The last section is just a summary statistics on the second section, i.e. it shows the average absolute revisions one month after (2), two months after (3), fifteen months (16) after that the data was first published. The last line (17) gives the average absolute value of the 'final revisions'. The maximum absolute revision and the percentage it represents is also printed.

Leafing through the tables, a consistent picture emerges, namely that the forecast factor revisions basically mimic the pattern of revisions in the original series, while there are

Table 2: **Average Absolute Revisions between first published and 'final' (1991 Apr) values**

	Original		S.A. Forecast		S.A. Concurrent		S.A.Conc.-Forecast		t-value
Ident	Revision	%Rev.	Revision	%Rev.	Revision	%Rev.	Rev. diff.	% reduct.	H_0 diff=0 H_A diff<0
M302	1.50	2.78	5.45	10.09	3.06	5.67	-2.39	-44.00	-2.23s
M303	49.94	10.93	51.74	11.32	47.31	10.35	-4.43	- 8.50	-0.28
M505	8.50	1.36	13.15	2.11	9.31	1.49	-3.84	-29.00	-3.17s
M515	1.19	0.73	6.06	3.71	2.94	1.80	-3.12	-51.18	-1.69
M516	.63	0.26	6.56	2.72	4.00	1.66	-2.56	-39.02	- .88
M518	.38	0.23	2.27	1.40	1.00	0.62	-1.27	-55.95	-1.31
X411	8.13	2.98	14.80	5.42	13.06	4.78	-1.74	-11.76	- .38
X417	2.94	3.03	8.05	8.29	6.88	7.09	-1.17	-14.53	- .45
X419	.94	1.31	3.48	4.83	2.50	3.47	- .98	-28.16	-1.62
X501	12.19	2.88	14.12	3.34	10.38	2.46	-3.74	-26.49	-1.31
X506	7.63	1.79	12.81	3.00	12.81	3.00	0.0	0.0	0.0

s = significant at the 5% level.

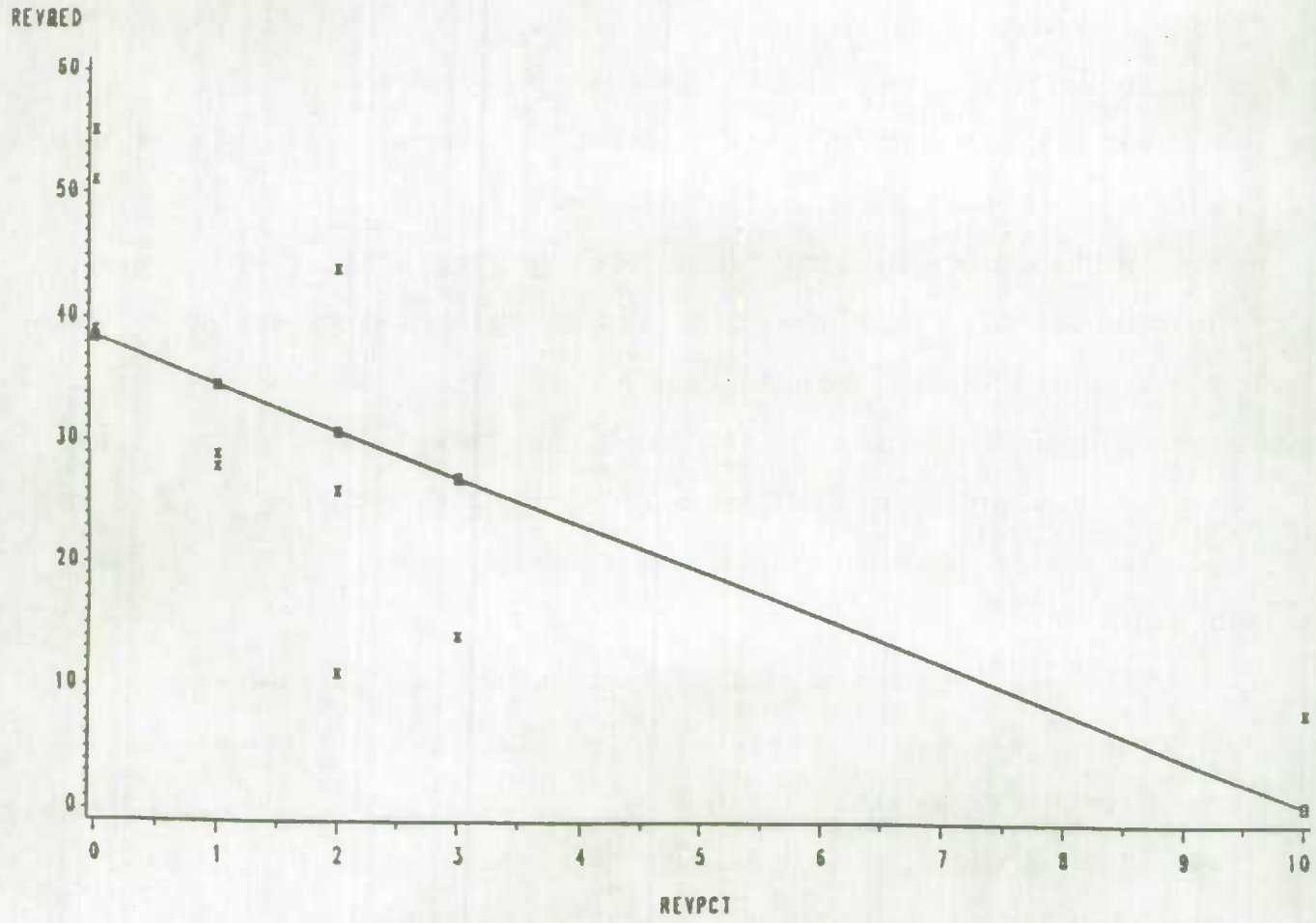
concurrent factor revisions even in those points where the original data did not change. This is simply a consequence of concurrent adjustment that brings about revisions as new-data is added to the series partially to incorporate the new 'shock' into the estimation process and partially due to the change in filters applied to the data point in question. Thus we know that by adopting concurrent methodology we can expect constant revisions. The question is, is there a trade-off for this inconvenience in terms of a reduction of revision size at the time of the annual revisions.

Let us now examine the respective average absolute 'final revisions' obtained from the two methods. Table 2 lists the average absolute revisions along with the percentage they represent for the original and the two seasonally adjusted series. The difference between the concurrent and forecast method revisions is also indicated. The last column shows the result of a t-test carried out on this difference. The null hypothesis of zero differences in tested against the alternative that the difference is negative.

With the exception of series X506, where there was no difference, all the other series show lower revision sizes with the concurrent method than with the forecast one. The percent reduction in revision size ranges from 8.50 for the series M303 to 55.95 for M518. In effect it can be observed that there is a negative relationship between the percentage reduction in revision size and the percentage revision in the original series. Graph 1 plots these two variables against each other. It can be seen from

the fitted regression line (REVRED=38.47 - 3.74 REVPCT) that the slope is negative. Incidentally a t-value of -2.619 indicates that the negative relationship is statistically significant at the 5% level.

GRAPH 1. ACTUAL AND FITTED REVISION REDUCTION VERSUS REVISION PERCENTAGE IN THE ORIGINAL COMMODITY SERIES



REVRED = 38.47 - 3.74 REVPCT

This finding is consistent with the results of previous studies (Dagum and Morry (1985)) that showed that in the absence of revisions in the original data (REVPCT=0) concurrent adjustment produced 30% to 40% lower revisions than forecast factor adjustment. Here we also see that even with as high as 10% revisions in the original series, there is a reduction in revision when switching to the concurrent method.

Are these reductions statistically significant? Only series M302 and M505 yielded significant t-values when testing at the 5% level. The rest of the series had too large variations in revision difference among the 15 points in question to prove significant. Appendix B contains eleven sets of 3 graphs each that will give a better feel for the type of final revisions 1.) in the original series, 2.) in the seasonally adjusted data and 3.) allows for a comparison of the final absolute revisions from the two methods. However, even if the difference in revision size is not significant in a statistical sense, most of the reduction percentages are impressive enough to at least invite a serious reevaluation of the forecast factor approach.

In Section 2, it was mentioned that from the users' point of view, the consistency of the revision directions is also a valid concern. Table 3 presents the maximum number of reversals in the three types of series (original and the two seasonally adjusted series) per commodity.

The concurrent adjustment yields clearly the larger number of reversals in revision direction for all commodities between the two seasonal adjustment methods. However, this information by itself is not meaningful since we know that concurrent adjustment effects a revision each month, thus the chance for more reversals is higher. A fairer

TABLE 3. MAXIMUM NUMBER OF REVERSALS IN THE SIGN OF REVISION

Ident.	Original		Seas. Adjusted using forecast factor		Seas. Adjusted using concurrent factor	
	Reversals	Reversals/ Number	Reversals	Reversals/ Number	Reversals	Reversals/ Number
M302	1	.55	2	.66	5	.55
M303	1	.50	2	.50	10	.77
M505	4	.80	5	.63	7	.58
M515	1	.50	2	.67	4	.40
M516	1	.50	2	.67	2	.40
M518	1	.50	1	.50	3	.43
X411	2	.66	3	.60	9	.64
X417	0	.00	1	.50	5	.62
X419	0	.00	3	.75	4	.80
X501	3	.60	3	.50	7	.70
X506	2	.67	3	.60	6	.60
Average	**1.37**	**.48**	**2.45**	**.60**	**5.63**	**.59**

comparison can be made by normalizing the number of reversals by the number of non-zero revisions in the month in question (these are the values printed in the second column for each method). After the normalizing there is no method that is clearly superior, in effect, the average of both methods gives .60 for these statistics, which is only slightly higher than the average for the original series.

The presence of a lot of oscillating revisions is nevertheless, disconcerting for the user, therefore, if the concurrent method is to be adopted, it is preferable to revise the data only for the first two months after publishing and again at the end of the year. This approach would capture most of the revisions in the original series without causing unnecessary flip-flopping in the data that does not really bring the estimates closer to the values published in the annual revision exercise.

As a final consideration, let us examine the size of the first and second revisions which could be important if the above recommendation is followed. Table 4 exhibits the average absolute revision sizes corresponding to the first and second revisions of the last data point.

Although the results are not quite as consistent as in the case of 'final revisions' in Table 2, the average percentage reduction in revision size is at least as high as in Table 2 when using concurrent instead of forecast factor adjustment. Thus, switching to concurrent adjustment and revising only twice would minimize revision sizes in the first two months, would produce estimates closer to the year-end values and would avoid the potential confusion associated with continuous spurious revisions.

TABLE 4. AVERAGE ABSOLUTE REVISIONS DURING THE FIRST TWO MONTHS AFTER PUBLISHING THE DATA

Ident.	Month	Original	Seas.Adj. Using Forecast	Seas. Adj. Using Concur.	Differ. Concur.- Forecast	% reduction
M302	1	.73	1.55	1.13	- .42	- 27.09
	2	.86	.89	1.93	1.04	116.85
M303	1	54.00	54.54	50.00	-4.54	-8.30
	2	8.95	8.95	9.00	.05	.50
M505	1	7.13	8.11	8.07	- .04	.50
	2	2.21	5.37	5.37	-1.30	-24.21
M515	1	1.00	2.92	1.27	-1.65	-56.51
	2	.29	.74	.86	.12	16.22
M516	1	.67	3.53	1.67	-1.86	-52.69
	2	.14	2.16	1.14	-1.02	-47.22
M518	1	.20	1.83	.47	-1.36	-74.32
	2	.14	1.07	.14	- .93	-86.91
X411	1	1.67	3.00	4.47	1.47	49.00
	2	9.50	10.81	9.50	- .51	- 5.05
X417	1	2.20	4.31	4.07	- .24	- 5.57
	2	1.00	1.99	1.36	- .63	-31.65
X419	1	.73	1.74	1.47	- .27	-15.51
	2	.29	.95	.86	- .09	- 9.47
X501	1	13.67	16.62	10.33	-6.29	-37.85
	2	10.43	13.64	8.79	-4.85	-35.56
X506	1	7.87	11.58	10.47	-1.11	- 9.58
	2	13.71	15.07	11.14	-3.93	-26.08

3.2 Analysis of the Total Import and Export Series

It is now time to turn our attention to the two most important international trade series, namely, the total import (M001) and export (X001) figures. The analysis of these series will follow the same steps as the ones taken for the commodity series.

Examining the two sets of revision tables (Appendix C) of the total series, it becomes clear that with the exception of January, February and March of 1991, these series are subject to continuous revisions, where the average size of those in exports far exceeds the ones in imports.

In order to evaluate the revisions from the concurrent and forecast factor seasonal adjustment method, Tables 5, 6 and 7 are organized in the same fashion as Tables 2, 3 and 4 in the case of the commodity series

TABLE 5. AVERAGE ABSOLUTE REVISIONS BETWEEN FIRST PUBLISHED AND 'FINAL' (1991 APRIL) VALUES IN TOTAL SERIES

Ident.	Original		S.A. Forecast		S.A. Concurrent		Concurrent-Forecast		t-value H_o:diff =0 H_A diff=0
	Revision	% Rev.	Revision	% Rev.	Revision	% Rev.	Revision Diff	% Reduction	
Import Total	86.81	0.77	154.90	1.37	90.06	.80	-64.84	-41.86	-2.34*
Export Total	143.19	1.17	218.77	1.79	171.62	1.41	-47.15	-21.55	- .70

The results in Table 5 are again consistent with the findings earlier, that series with lower percentage revision in the original series undergo higher percentage reduction in final revision size when switching from forecast factor to concurrent adjustment. Thus the total import series with a .77% original revision size shows a 41.86% improvement in 'final' revision while the corresponding figures for exports are 1.17% and 21.55% respectively. Although even the lesser of these two improvements is substantial enough only the import series yields significant improvement in a statistical sense according to the t-test carried out on the differences between the revisions obtained from the two methods. Here again, it is the high variability among the export differences as can be verified by looking at the graph 'Final Absolute Revisions of Concurrent and Forecast Seasonal Adjustment Series' of Appendix D) that prevents the t-value of these differences from becoming significant.

TABLE 6. MAXIMUM NUMBER OF REVERSALS IN THE SIGN OF REVISION IN TOTAL SERIES

Ident.	Original		Seas. Adjusted using Forecast Factors		Seas. Adjusted using Concurrent Factors	
	Revers-als	Revers. /Number	Revers-als	Revers. /Number	Revers-als	Revers. /Number
Import Total	5	.55	4	.36	9	.60
Export Total	6	.55	4	.57	8	.57

In terms of consistency of revision sign as expressed by the reversals/number statistics in Table 6, the total export series shows no difference between the two methods, just as we have seen in the case of the commodity series. On the other hand, there is a sizeable difference in the normalized reversal statistics (.36 versus .60) in favour of the forecast factor method in the case of the total import series. This means that the use of the concurrent approach would result in an increased number of reversals in revision sign.

Can we minimize these reversals by stopping revisions after two months, as suggested previously? Are the first two months of revisions smaller when using the concurrent method? According to Table 7, the answer is yes for the export series and no for the import series. In effect, the import series have considerably higher first revisions when using the concurrent adjustment. Thus for the import series, the statistics in Table 7 (as in Table 6) tend to favour the forecast method.

TABLE 7. AVERAGE ABSOLUTE REVISIONS DURING THE FIRST TWO MONTHS AFTER PUBLISHING THE DATA

Ident.	Month	Original	Seas. Adj. Forecast	Seas. Adj. Concur-rent	Difference Conc.-Fore.	% Reduction
M001	1	49.07	57.95	82.73	+24.78	+42.76
	2	41.71	62.28	67.07	+ 4.79	+ 7.80
X001	1	129.53	113.54	92.80	-20.74	-18.27
	2	93.79	120.13	84.14	-35.99	-29.96

TABLE 8. AVERAGE ABSOLUTE REVISIONS BETWEEN SECOND AND THIRD PUBLISHED FIGURES AND THE 'FINAL' (1991 APRIL) VALUES

Ident.		Original	Seas. Adj. using Forecast	Seas. Adj. using Concur-rent	Difference	
Import Total	Second Third	83.92 61.00	101.15 111.07	73.53 73.07	-27.62 -38.00	-17.30 -34.21
Export Total	Second Third	127.77 113.92	233.69 211.69	158.30 122.69	-75.39 -89.00	-32.26 -42.04

Are the first two revised values produced by the concurrent adjustment really inferior? Table 8 presents an additional statistic to answer this question. The statistic used is the difference between the second (third) published and the 'final' figure. In terms of this statistic, the concurrent method outperforms the forecast method for both the import and export series, indicating that even the second and third published figures are closer to the final values with the use of the concurrent method by an average of 34%.

Thus it can be concluded that both the total import and export series would benefit from the adoption of concurrent seasonal adjustment methodology.

4.0 CONCLUSIONS

The objective of this study was to find out if the concurrent seasonal adjustment approach produces smaller year end revisions than the forecast factor approach even when the original data undergoes substantial revisions.

The results of the analysis indicate that in the presence of revisions in the original series:

1. the concurrent method yields a substantial reduction in year end revisions ranging from 8.5% to 56% for the commodity series and giving improvements of 42% and 22% for the total import and export series respectively;
2. the size of revision reduction is inversely related to the percentage revision in the original series;
3. according to the regression line fitted to the last two variables, as long as the percentage revision in the original series is less than about 10%, the concurrent method produces smaller revisions than the forecast factor method.

The improvement in the size of revisions, and thus in seasonal adjustment quality, brought about by switching to the concurrent method will have to be weighed against the inconvenience of:

1) continuous revisions in the seasonally adjusted data even when the original values do not change;
2) the presence of reversals in revision direction for no apparent reason;
3) the extra workload associated with checking the seasonal

adjustment more carefully every month to ensure that the X11ARIMA processing worked as expected.

The first two drawbacks can be eliminated by adopting the policy of only revising the seasonally adjusted series for two months and after that only to incorporate revisions in the original series. The third problem can be minimized by concentrating on the more important series only.

Thus the negative impacts of switching from forecast factor to concurrent adjustment can be lessened if not completely eliminated. The question that needs to be answered is whether the remaining negative aspects are important enough to outweigh the benefit of producing more reliable seasonally adjusted estimates as indicated by smaller year end revisions obtained through the concurrent method.

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APPENDIX "A"

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M302	25.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	M302	25.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	M302	25.	4.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	M302	25.	4.	3.	59.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	M302	25.	4.	3.	60.	78.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	M302	25.	4.	3.	60.	80.	73.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	M302	25.	4.	3.	60.	80.	74.	67.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	M302	25.	4.	3.	60.	80.	74.	68.	82.	0.	0.	0.	0.	0.	0.	0.	0.	
9	M302	25.	4.	3.	60.	79.	74.	68.	82.	66.	0.	0.	0.	0.	0.	0.	0.	
10	M302	25.	4.	3.	60.	79.	74.	68.	82.	66.	70.	0.	0.	0.	0.	0.	0.	
11	M302	25.	4.	3.	60.	79.	74.	68.	82.	66.	71.	65.	0.	0.	0.	0.	0.	
12	M302	25.	4.	3.	60.	79.	74.	68.	82.	67.	71.	66.	47.	0.	0.	0.	0.	
13	M302	25.	4.	3.	60.	79.	74.	68.	82.	67.	71.	66.	47.	6.	0.	0.	0.	
14	M302	25.	4.	3.	60.	79.	74.	68.	82.	67.	71.	66.	47.	3.	2.	0.	0.	
15	M302	25.	4.	3.	60.	79.	74.	68.	82.	67.	71.	66.	47.	3.	2.	2.	0.	
16	M302	25.	4.	3.	60.	79.	74.	68.	82.	67.	71.	66.	47.	10.	14.	3.	18.	

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	M302	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	M302	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	M302	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	M302	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
9	M302	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
10	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
11	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
12	M302	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	
13	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
14	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	
15	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
16	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	12.	1.	0.	
17	M302	0.	0.	0.	1.	1.	1.	1.	0.	1.	1.	1.	0.	4.	12.	1.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M302	2	0.73	12.	80.
M302	3	0.86		
M302	4	0.62		
M302	5	0.08		
M302	6	0.00		
M302	7	0.00		
M302	8	0.00		
M302	9	0.00		
M302	10	0.00		
M302	11	0.00		
M302	12	0.00		
M302	13	0.00		
M302	14	0.00		
M302	15	0.00		
M302	16	0.00		
M302	17	1.50		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M302	67.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	M302	67.	65.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	M302	67.	65.	67.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	M302	61.	63.	65.	75.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	M302	61.	63.	65.	76.	55.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	M302	61.	63.	65.	76.	57.	49.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	M302	61.	63.	65.	76.	57.	50.	36.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	M302	61.	63.	65.	76.	57.	50.	37.	73.	0.	0.	0.	0.	0.	0.	0.	0.	
9	M302	61.	63.	65.	76.	56.	50.	37.	73.	49.	0.	0.	0.	0.	0.	0.	0.	
10	M302	61.	63.	65.	76.	56.	50.	37.	73.	49.	41.	0.	0.	0.	0.	0.	0.	
11	M302	61.	63.	65.	76.	56.	50.	37.	73.	49.	42.	27.	0.	0.	0.	0.	0.	
12	M302	61.	63.	65.	76.	56.	50.	37.	73.	50.	42.	28.	49.	0.	0.	0.	0.	
13	M302	61.	63.	65.	76.	56.	50.	37.	73.	50.	42.	28.	49.	35.	0.	0.	0.	
14	M302	61.	63.	65.	76.	56.	50.	37.	73.	50.	42.	28.	49.	32.	61.	0.	0.	
15	M302	61.	63.	65.	76.	56.	50.	37.	73.	50.	42.	28.	49.	32.	61.	63.	0.	
16	M302	61.	61.	57.	76.	58.	51.	46.	64.	50.	45.	37.	47.	39.	71.	52.	28.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	M302	-7.	-2.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	M302	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	M302	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	M302	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	M302	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
9	M302	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
10	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
11	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
12	M302	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	
13	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
14	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	
15	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
16	M302	0.	-2.	-8.	0.	1.	0.	8.	-9.	0.	4.	8.	-2.	8.	11.	-11.	0.	
17	M302	-7.	-4.	-10.	1.	2.	1.	9.	-9.	1.	5.	9.	-2.	5.	11.	-11.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M302	2	1.55	11.	17.
M302	3	0.89		
M302	4	1.19		
M302	5	0.28		
M302	6	0.77		
M302	7	0.36		
M302	8	0.00		
M302	9	1.18		
M302	10	1.20		
M302	11	0.07		
M302	12	0.29		
M302	13	0.11		
M302	14	2.55		
M302	15	0.93		
M302	16	0.05		
M302	17	5.45		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M302	59.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M302	59.	61.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M302	59.	61.	63.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M302	61.	63.	65.	75.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M302	62.	63.	63.	75.	61.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M302	61.	63.	65.	74.	59.	52.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M302	61.	63.	64.	74.	58.	51.	43.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M302	61.	63.	64.	74.	59.	52.	46.	66.	0.	0.	0.	0.	0.	0.	0.	0.
9	M302	61.	63.	63.	73.	59.	52.	46.	65.	53.	0.	0.	0.	0.	0.	0.	0.
10	M302	61.	62.	62.	72.	58.	52.	45.	65.	52.	47.	0.	0.	0.	0.	0.	0.
11	M302	60.	61.	62.	75.	57.	50.	45.	65.	50.	45.	35.	0.	0.	0.	0.	0.
12	M302	59.	60.	62.	74.	56.	49.	44.	65.	49.	44.	36.	47.	0.	0.	0.	0.
13	M302	59.	60.	62.	74.	57.	49.	45.	65.	50.	44.	35.	46.	33.	0.	0.	0.
14	M302	61.	58.	63.	73.	57.	50.	45.	65.	50.	43.	36.	46.	34.	55.	0.	0.
15	M302	62.	58.	60.	73.	58.	49.	45.	65.	50.	44.	36.	47.	35.	56.	52.	0.
16	M302	60.	61.	57.	76.	57.	50.	45.	64.	49.	45.	36.	46.	39.	71.	51.	28.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M302	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M302	2.	2.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M302	1.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M302	-1.	0.	2.	-1.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M302	0.	0.	-1.	0.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M302	0.	0.	0.	0.	1.	1.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M302	0.	0.	-1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.
10	M302	0.	-1.	-1.	-1.	-1.	0.	-1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.
11	M302	-1.	-1.	0.	3.	-1.	-2.	0.	0.	-2.	-2.	0.	0.	0.	0.	0.	0.
12	M302	-1.	-1.	0.	-1.	-1.	-1.	-1.	0.	-1.	-1.	1.	0.	0.	0.	0.	0.
13	M302	0.	0.	0.	0.	1.	0.	1.	0.	1.	0.	-1.	-1.	0.	0.	0.	0.
14	M302	2.	-2.	1.	-1.	0.	1.	0.	0.	0.	-1.	1.	0.	1.	0.	0.	0.
15	M302	1.	0.	-3.	0.	1.	-1.	0.	0.	0.	1.	0.	1.	1.	1.	0.	0.
16	M302	-2.	3.	-3.	3.	-1.	1.	0.	-1.	-1.	1.	0.	-1.	4.	15.	-1.	0.
17	M302	1.	0.	-6.	1.	-4.	-2.	2.	-2.	-4.	-2.	1.	-1.	6.	16.	-1.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M302	2	1.13	15.	27
M302	3	1.93		
M302	4	1.00		
M302	5	0.42		
M302	6	0.64		
M302	7	0.60		
M302	8	0.67		
M302	9	0.63		
M302	10	0.29		
M302	11	0.83		
M302	12	0.60		
M302	13	2.00		
M302	14	1.67		
M302	15	2.00		
M302	16	2.00		
M302	17	3.06		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IOENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M303	359.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M303	329.	356.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M303	329.	483.	398.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M303	329.	483.	396.	349.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M303	329.	483.	396.	330.	200.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M303	329.	483.	396.	330.	327.	322.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M303	329.	483.	396.	330.	327.	268.	349.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M303	329.	483.	396.	330.	327.	268.	295.	468.	0.	0.	0.	0.	0.	0.	0.	0.
9	M303	329.	483.	396.	351.	328.	268.	295.	405.	535.	0.	0.	0.	0.	0.	0.	0.
10	M303	329.	483.	396.	351.	328.	268.	295.	405.	545.	651.	0.	0.	0.	0.	0.	0.
11	M303	329.	483.	396.	351.	328.	268.	295.	405.	542.	600.	487.	0.	0.	0.	0.	0.
12	M303	329.	483.	396.	351.	328.	268.	295.	408.	538.	585.	657.	847.	0.	0.	0.	0.
13	M303	329.	483.	396.	351.	328.	268.	295.	408.	538.	585.	657.	847.	449.	0.	0.	0.
14	M303	329.	483.	396.	351.	328.	268.	295.	408.	538.	585.	657.	847.	408.	384.	0.	0.
15	M303	329.	483.	396.	351.	328.	268.	295.	408.	538.	585.	657.	847.	408.	372.	408.	0.
16	M303	329.	483.	396.	351.	328.	268.	295.	408.	538.	585.	657.	847.	408.	372.	458.	305.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M303	-30.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M303	0.	127.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M303	0.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M303	0.	0.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M303	0.	0.	0.	0.	127.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M303	0.	0.	0.	0.	0.	-54.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M303	0.	0.	0.	0.	0.	0.	-54.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M303	0.	0.	0.	21.	1.	0.	0.	-63.	0.	0.	0.	0.	0.	0.	0.	0.
10	M303	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	0.	0.	0.
11	M303	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-51.	0.	0.	0.	0.	0.	0.
12	M303	0.	0.	0.	0.	0.	0.	0.	3.	-4.	-15.	170.	0.	0.	0.	0.	0.
13	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-41.	0.	0.	0.
15	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.
16	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	50.	0.
17	M303	-30.	127.	-2.	2.	128.	-54.	-54.	-60.	3.	-66.	170.	0.	-41.	-12.	50.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M303	2	54.00	170.	35.
M303	3	1.29		
M303	4	0.31		
M303	5	0.33		
M303	6	1.91		
M303	7	0.00		
M303	8	0.00		
M303	9	0.00		
M303	10	0.00		
M303	11	0.00		
M303	12	0.00		
M303	13	0.00		
M303	14	0.00		
M303	15	0.00		
M303	16	0.00		
M303	17	49.94		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M303	299.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M303	274.	371.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M303	274.	503.	383.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M303	295.	462.	389.	405.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M303	295.	457.	385.	382.	216.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M303	295.	457.	385.	382.	354.	321.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M303	295.	457.	385.	382.	354.	267.	305.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M303	295.	457.	385.	382.	354.	267.	258.	466.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M303	295.	457.	385.	407.	355.	267.	258.	404.	522.	0.	0.	0.	0.	0.	0.	0.	0.
10	M303	295.	457.	385.	407.	355.	267.	258.	404.	532.	757.	0.	0.	0.	0.	0.	0.	0.
11	M303	295.	457.	385.	407.	355.	267.	258.	404.	529.	697.	515.	0.	0.	0.	0.	0.	0.
12	M303	295.	457.	385.	407.	355.	267.	258.	407.	525.	680.	695.	822.	0.	0.	0.	0.	0.
13	M303	295.	457.	385.	407.	355.	267.	258.	407.	525.	680.	695.	822.	402.	0.	0.	0.	0.
14	M303	295.	457.	385.	407.	355.	267.	258.	407.	525.	680.	695.	822.	366.	361.	0.	0.	0.
15	M303	295.	457.	385.	407.	355.	267.	258.	407.	525.	680.	695.	822.	366.	350.	395.	0.	0.
16	M303	302.	533.	376.	412.	360.	295.	267.	417.	502.	591.	601.	807.	382.	411.	429.	357.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M303	-25.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M303	0.	132.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M303	21.	-40.	6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M303	0.	-5.	-3.	-23.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M303	0.	0.	0.	0.	137.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M303	0.	0.	0.	0.	0.	-54.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M303	0.	0.	0.	0.	0.	0.	-47.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M303	0.	0.	0.	24.	1.	0.	0.	-63.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M303	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	0.	0.	0.	0.
11	M303	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-59.	0.	0.	0.	0.	0.	0.	0.
12	M303	0.	0.	0.	0.	0.	0.	0.	3.	-4.	-17.	180.	0.	0.	0.	0.	0.	0.
13	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	M303	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-37.	0.	0.	0.	0.
16	M303	7.	76.	-9.	5.	6.	28.	9.	11.	-23.	-89.	-94.	-15.	16.	61.	34.	0.	
17	M303	3.	163.	-6.	7.	144.	-26.	-38.	-49.	-20.	-166.	86.	-15.	-20.	50.	34.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M303	2	54.54	180.	35.
M303	3	8.95		
M303	4	3.61		
M303	5	1.62		
M303	6	10.74		
M303	7	8.88		
M303	8	2.57		
M303	9	1.34		
M303	10	1.26		
M303	11	4.60		
M303	12	1.15		
M303	13	1.35		
M303	14	2.93		
M303	15	38.17		
M303	16	7.03		
M303	17	51.74		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M303	305.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M303	286.	366.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M303	291.	453.	383.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M303	292.	454.	383.	402.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M303	288.	465.	373.	351.	243.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M303	290.	445.	378.	379.	352.	335.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M303	290.	469.	374.	369.	345.	283.	310.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M303	288.	467.	373.	368.	346.	285.	274.	435.	0.	0.	0.	0.	0.	0.	0.	0.
9	M303	289.	471.	374.	378.	349.	288.	278.	401.	480.	0.	0.	0.	0.	0.	0.	0.
10	M303	289.	479.	375.	375.	353.	291.	276.	410.	502.	707.	0.	0.	0.	0.	0.	0.
11	M303	288.	484.	372.	376.	352.	291.	276.	413.	507.	627.	507.	0.	0.	0.	0.	0.
12	M303	286.	505.	371.	385.	355.	293.	267.	425.	520.	639.	659.	780.	0.	0.	0.	0.
13	M303	301.	506.	372.	380.	357.	298.	274.	427.	519.	635.	651.	766.	420.	0.	0.	0.
14	M303	300.	548.	372.	381.	360.	297.	270.	423.	510.	613.	622.	790.	380.	439.	0.	0.
15	M303	304.	539.	391.	385.	363.	296.	266.	422.	507.	596.	609.	809.	387.	418.	399.	0.
16	M303	302.	533.	378.	413.	362.	297.	269.	420.	504.	594.	604.	810.	384.	414.	432.	360.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M303	-19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M303	5.	87.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M303	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M303	-4.	11.	-10.	-51.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M303	2.	-20.	5.	28.	109.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M303	0.	24.	-4.	-10.	-7.	-52.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M303	-2.	-2.	-1.	-1.	1.	2.	-36.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M303	1.	4.	1.	10.	3.	3.	4.	-34.	0.	0.	0.	0.	0.	0.	0.	0.
10	M303	0.	8.	1.	-3.	4.	3.	-2.	9.	22.	0.	0.	0.	0.	0.	0.	0.
11	M303	-1.	5.	-3.	1.	-1.	0.	0.	3.	5.	-80.	0.	0.	0.	0.	0.	0.
12	M303	-2.	21.	-1.	9.	3.	2.	-9.	12.	13.	12.	152.	0.	0.	0.	0.	0.
13	M303	15.	1.	1.	-5.	2.	5.	7.	2.	-1.	-4.	-8.	-14.	0.	0.	0.	0.
14	M303	-1.	42.	0.	1.	3.	-1.	-4.	-4.	-9.	-22.	-29.	24.	-40.	0.	0.	0.
15	M303	4.	-9.	19.	4.	3.	-1.	-4.	-1.	-3.	-17.	-13.	19.	7.	-21.	0.	0.
16	M303	-2.	-6.	-13.	28.	-1.	1.	3.	-2.	-3.	-2.	-5.	1.	-3.	-4.	33.	0.
17	M303	-3.	167.	-5.	11.	119.	-38.	-41.	-15.	24.	-113.	97.	30.	-36.	-25.	33.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M303	2	50.00	152.	30.
M303	3	9.00		
M303	4	8.00		
M303	5	7.00		
M303	6	7.55		
M303	7	2.50		
M303	8	2.67		
M303	9	3.75		
M303	10	2.57		
M303	11	4.67		
M303	12	1.60		
M303	13	26.00		
M303	14	7.67		
M303	15	5.00		
M303	16	2.00		
M303	17	47.31		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M505	680.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M505	682.	629.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M505	682.	634.	719.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M505	684.	634.	720.	683.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M505	686.	635.	720.	678.	729.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M505	686.	635.	720.	679.	692.	630.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M505	686.	635.	720.	679.	695.	637.	638.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M505	686.	634.	720.	668.	696.	638.	638.	585.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M505	686.	635.	720.	672.	696.	642.	637.	592.	506.	0.	0.	0.	0.	0.	0.	0.	0.
10	M505	692.	642.	730.	683.	706.	654.	645.	597.	515.	630.	0.	0.	0.	0.	0.	0.	0.
11	M505	692.	642.	730.	683.	707.	657.	647.	603.	518.	637.	594.	0.	0.	0.	0.	0.	0.
12	M505	679.	625.	707.	665.	687.	639.	631.	587.	502.	621.	582.	565.	0.	0.	0.	0.	0.
13	M505	679.	625.	707.	665.	687.	639.	631.	587.	502.	621.	582.	565.	540.	0.	0.	0.	0.
14	M505	679.	625.	707.	665.	687.	639.	631.	587.	502.	621.	582.	565.	546.	543.	0.	0.	0.
15	M505	679.	625.	707.	665.	687.	639.	631.	587.	502.	621.	582.	565.	547.	549.	548.	0.	0.
16	M505	679.	625.	707.	665.	687.	639.	631.	587.	502.	621.	582.	565.	547.	549.	551.	607.	0.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M505	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M505	0.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M505	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M505	2.	1.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M505	0.	0.	0.	1.	-37.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M505	0.	0.	0.	0.	3.	7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M505	0.	-1.	0.	-11.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M505	0.	1.	0.	4.	0.	4.	-1.	7.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M505	6.	7.	10.	11.	10.	12.	8.	5.	9.	0.	0.	0.	0.	0.	0.	0.	0.
11	M505	0.	0.	0.	0.	1.	3.	2.	6.	3.	7.	0.	0.	0.	0.	0.	0.	0.
12	M505	-13.	-17.	-23.	-18.	-20.	-18.	-16.	-16.	-16.	-16.	-12.	0.	0.	0.	0.	0.	0.
13	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.
15	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	6.	0.	0.	0.
16	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.
17	M505	-1.	-4.	-12.	-18.	-42.	9.	-7.	2.	-4.	-9.	-12.	0.	7.	6.	3.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M505	2	7.13	37.	5.
M505	3	2.21		
M505	4	2.92		
M505	5	3.58		
M505	6	3.00		
M505	7	3.10		
M505	8	3.44		
M505	9	3.13		
M505	10	4.14		
M505	11	2.83		
M505	12	2.60		
M505	13	0.00		
M505	14	0.00		
M505	15	0.00		
M505	16	0.00		
M505	17	8.50		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M505	658.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M505	660.	660.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M505	660.	665.	630.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M505	695.	635.	647.	674.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M505	660.	669.	658.	676.	661.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M505	660.	669.	658.	677.	627.	601.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M505	660.	669.	658.	677.	630.	607.	672.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M505	660.	668.	658.	666.	631.	608.	672.	584.	0.	0.	0.	0.	0.	0.	0.	0.
9	M505	660.	669.	658.	670.	631.	612.	671.	591.	575.	0.	0.	0.	0.	0.	0.	0.
10	M505	666.	676.	667.	681.	640.	623.	679.	596.	585.	612.	0.	0.	0.	0.	0.	0.
11	M505	666.	676.	667.	681.	641.	626.	681.	602.	588.	619.	597.	0.	0.	0.	0.	0.
12	M505	654.	658.	646.	663.	623.	609.	665.	586.	570.	603.	585.	613.	0.	0.	0.	0.
13	M505	654.	658.	646.	663.	623.	609.	665.	586.	570.	603.	585.	613.	522.	0.	0.	0.
14	M505	654.	658.	646.	663.	623.	609.	665.	586.	570.	603.	585.	613.	527.	573.	0.	0.
15	M505	654.	658.	646.	663.	623.	609.	665.	586.	570.	603.	585.	613.	528.	579.	546.	0.
16	M505	656.	655.	650.	660.	626.	616.	647.	599.	583.	595.	583.	596.	537.	576.	554.	556.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M505	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M505	0.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M505	35.	-30.	17.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M505	-35.	33.	11.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M505	0.	0.	0.	1.	-34.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M505	0.	0.	0.	0.	3.	7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M505	0.	-1.	0.	-11.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M505	0.	1.	0.	4.	0.	4.	-1.	7.	0.	0.	0.	0.	0.	0.	0.	0.
10	M505	6.	7.	9.	11.	9.	11.	8.	5.	10.	0.	0.	0.	0.	0.	0.	0.
11	M505	0.	0.	0.	0.	1.	3.	2.	6.	3.	7.	0.	0.	0.	0.	0.	0.
12	M505	-13.	-18.	-21.	-18.	-18.	-17.	-17.	-16.	-18.	-16.	-12.	0.	0.	0.	0.	0.
13	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.
15	M505	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	6.	0.	0.
16	M505	2.	-3.	3.	-4.	4.	7.	-17.	12.	12.	-8.	-2.	-16.	8.	-3.	8.	0.
17	M505	-2.	-5.	19.	-15.	-35.	16.	-25.	14.	8.	-17.	-14.	-16.	15.	3.	8.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M505	2	8.11	35.	5.
M505	3	5.37		
M505	4	8.80		
M505	5	7.63		
M505	6	3.13		
M505	7	3.79		
M505	8	4.52		
M505	9	4.71		
M505	10	6.31		
M505	11	4.19		
M505	12	3.21		
M505	13	0.90		
M505	14	1.13		
M505	15	1.45		
M505	16	2.46		
M505	17	13.15		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M505	657.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M505	661.	663.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M505	656.	661.	637.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M505	657.	665.	657.	679.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M505	657.	665.	655.	675.	661.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M505	656.	663.	633.	671.	629.	612.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M505	656.	663.	636.	670.	634.	621.	665.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M505	656.	665.	628.	661.	631.	616.	662.	602.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M505	654.	666.	626.	661.	630.	615.	665.	601.	586.	0.	0.	0.	0.	0.	0.	0.	0.
10	M505	661.	673.	636.	670.	638.	625.	673.	607.	595.	606.	0.	0.	0.	0.	0.	0.	0.
11	M505	660.	672.	638.	671.	639.	629.	675.	612.	599.	613.	599.	0.	0.	0.	0.	0.	0.
12	M505	652.	654.	638.	657.	625.	616.	665.	598.	585.	602.	590.	607.	0.	0.	0.	0.	0.
13	M505	658.	662.	626.	667.	625.	620.	665.	597.	586.	598.	586.	602.	528.	0.	0.	0.	0.
14	M505	659.	659.	626.	666.	624.	619.	665.	598.	586.	599.	587.	603.	535.	575.	0.	0.	0.
15	M505	657.	653.	647.	660.	627.	617.	663.	597.	584.	598.	585.	602.	535.	576.	549.	0.	0.
16	M505	656.	656.	651.	661.	628.	619.	649.	601.	586.	599.	586.	599.	540.	579.	557.	559.	0.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M505	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M505	-5.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M505	1.	4.	20.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M505	0.	0.	-2.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M505	-1.	-2.	-22.	-4.	-32.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M505	0.	0.	3.	-1.	5.	9.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M505	0.	2.	-8.	-9.	-3.	-5.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M505	-2.	1.	-2.	0.	-1.	-1.	3.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M505	7.	7.	10.	9.	8.	10.	8.	6.	9.	0.	0.	0.	0.	0.	0.	0.	0.
11	M505	-1.	-1.	2.	1.	1.	4.	2.	5.	4.	7.	0.	0.	0.	0.	0.	0.	0.
12	M505	-8.	-18.	0.	-14.	-14.	-13.	-10.	-14.	-14.	-11.	-9.	0.	0.	0.	0.	0.	0.
13	M505	6.	8.	-12.	10.	0.	4.	0.	-1.	1.	-4.	-4.	-5.	0.	0.	0.	0.	0.
14	M505	1.	-3.	0.	-1.	-1.	-1.	0.	1.	0.	1.	1.	1.	7.	0.	0.	0.	0.
15	M505	-2.	-6.	21.	-6.	3.	-2.	-2.	-1.	-2.	-1.	-2.	-1.	0.	1.	0.	0.	0.
16	M505	-1.	3.	4.	1.	1.	2.	-14.	4.	2.	1.	1.	-3.	5.	3.	8.	0.	0.
17	M505	-1.	-7.	14.	-18.	-33.	7.	-16.	-1.	0.	-7.	-13.	-8.	12.	4.	8.	0.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M505	2	8.07	32.	5.
M505	3	4.07		
M505	4	5.08		
M505	5	4.00		
M505	6	3.09		
M505	7	3.10		
M505	8	3.67		
M505	9	4.00		
M505	10	5.00		
M505	11	6.17		
M505	12	4.60		
M505	13	7.75		
M505	14	3.67		
M505	15	2.50		
M505	16	1.00		
M505	17	9.31		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M515	175.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M515	176.	180.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M515	176.	180.	212.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M515	176.	180.	212.	205.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M515	176.	179.	212.	205.	201.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M515	176.	179.	213.	206.	199.	147.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M515	176.	179.	213.	206.	199.	148.	130.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M515	175.	180.	212.	206.	199.	148.	130.	171.	0.	0.	0.	0.	0.	0.	0.	0.
9	M515	175.	180.	210.	205.	199.	148.	131.	173.	137.	0.	0.	0.	0.	0.	0.	0.
10	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	149.	0.	0.	0.	0.	0.	0.
11	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	149.	133.	0.	0.	0.	0.	0.
12	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	150.	135.	113.	0.	0.	0.	0.
13	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	150.	135.	113.	170.	0.	0.	0.
14	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	150.	135.	113.	173.	154.	0.	0.
15	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	150.	135.	113.	173.	157.	169.	0.
16	M515	175.	179.	210.	205.	200.	148.	131.	173.	138.	150.	135.	113.	173.	158.	169.	175.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M515	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M515	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M515	0.	0.	1.	1.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M515	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M515	-1.	1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M515	0.	0.	-2.	-1.	0.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.
10	M515	0.	-1.	0.	0.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.
11	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	0.	0.	0.	0.
12	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.
14	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.
15	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
16	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.			
17	M515	0.	-1.	-2.	0.	-1.	1.	1.	2.	1.	1.	2.	0.	3.	4.	0.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M515	2	1.00	3.	2.
M515	3	0.29		
M515	4	0.15		
M515	5	0.00		
M515	6	0.27		
M515	7	0.30		
M515	8	0.11		
M515	9	0.13		
M515	10	0.00		
M515	11	0.00		
M515	12	0.00		
M515	13	0.00		
M515	14	0.00		
M515	15	0.00		
M515	16	0.00		
M515	17	1.19		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M515	165.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M515	166.	170.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M515	166.	170.	159.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M515	166.	173.	176.	187.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M515	174.	174.	174.	198.	183.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M515	174.	174.	174.	199.	181.	141.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M515	174.	174.	174.	199.	181.	142.	153.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M515	173.	175.	174.	199.	181.	142.	153.	182.	0.	0.	0.	0.	0.	0.	0.	0.
9	M515	173.	175.	172.	198.	181.	142.	154.	185.	153.	0.	0.	0.	0.	0.	0.	0.
10	M515	173.	174.	172.	198.	182.	142.	154.	185.	154.	148.	0.	0.	0.	0.	0.	0.
11	M515	173.	174.	172.	198.	182.	142.	154.	185.	154.	148.	147.	0.	0.	0.	0.	0.
12	M515	173.	174.	172.	198.	182.	142.	154.	185.	154.	149.	149.	116.	0.	0.	0.	0.
13	M515	173.	174.	172.	198.	182.	142.	154.	185.	154.	149.	149.	116.	170.	0.	0.	0.
14	M515	173.	174.	172.	198.	182.	142.	154.	185.	154.	149.	149.	116.	173.	150.	0.	0.
15	M515	173.	174.	172.	198.	182.	142.	154.	185.	154.	149.	149.	116.	173.	153.	147.	0.
16	M515	165.	171.	169.	195.	173.	150.	157.	169.	155.	150.	150.	140.	163.	151.	145.	156.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M515	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M515	0.	3.	17.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M515	9.	1.	-2.	11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M515	0.	0.	1.	1.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M515	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M515	-1.	1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M515	0.	0.	-2.	-1.	0.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.
10	M515	0.	-1.	0.	0.	1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.
11	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	0.	0.	0.	0.	0.
12	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.
14	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.
15	M515	0.	0.	0.	0.	0.	0.	0.	-16.	1.	1.	2.	24.	-10.	-2.	-1.	0.
16	M515	-8.	-3.	-3.	-2.	-8.	7.	4.	-14.	2.	2.	4.	24.	-7.	1.	-1.	0.
17	M515	0.	1.	10.	8.	-9.	8.	5.	-14.	2.	2.	4.	24.	-7.	1.	-1.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M515	2	2.92	24.	21.
M515	3	0.74		
M515	4	0.91		
M515	5	2.74		
M515	6	0.39		
M515	7	0.38		
M515	8	0.20		
M515	9	2.11		
M515	10	0.50		
M515	11	1.21		
M515	12	1.64		
M515	13	0.62		
M515	14	0.93		
M515	15	1.48		
M515	16	8.00		
M515	17	6.06		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M515	174.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M515	174.	175.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M515	173.	174.	170.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M515	175.	176.	174.	198.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M515	174.	175.	174.	198.	183.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M515	173.	173.	169.	198.	179.	155.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M515	172.	172.	168.	199.	177.	154.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M515	172.	172.	167.	201.	177.	154.	163.	176.	0.	0.	0.	0.	0.	0.	0.	0.
9	M515	171.	172.	166.	202.	176.	153.	162.	174.	159.	0.	0.	0.	0.	0.	0.	0.
10	M515	171.	172.	166.	201.	175.	152.	161.	173.	158.	154.	0.	0.	0.	0.	0.	0.
11	M515	171.	172.	166.	200.	175.	151.	160.	172.	157.	153.	153.	0.	0.	0.	0.	0.
12	M515	170.	171.	165.	198.	174.	151.	159.	170.	156.	151.	152.	141.	0.	0.	0.	0.
13	M515	168.	171.	164.	199.	174.	151.	159.	170.	156.	151.	153.	141.	164.	0.	0.	0.
14	M515	167.	174.	165.	198.	174.	151.	159.	170.	155.	151.	152.	141.	165.	150.	0.	0.
15	M515	166.	172.	171.	195.	174.	151.	159.	170.	155.	151.	152.	141.	164.	152.	147.	0.
16	M515	166.	172.	170.	196.	174.	150.	159.	170.	155.	151.	152.	141.	165.	152.	147.	157.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M515	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M515	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M515	2.	2.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M515	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M515	-1.	-2.	-5.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M515	-1.	-1.	-1.	1.	-2.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M515	0.	0.	-1.	2.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M515	-1.	0.	-1.	1.	-1.	-1.	-1.	-2.	0.	0.	0.	0.	0.	0.	0.	0.
10	M515	0.	0.	0.	-1.	-1.	-1.	-1.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.
11	M515	0.	0.	0.	-1.	0.	-1.	-1.	-1.	-1.	-1.	0.	0.	0.	0.	0.	0.
12	M515	-1.	-1.	-1.	-2.	-1.	0.	-1.	-2.	-1.	-2.	-1.	0.	0.	0.	0.	0.
13	M515	-2.	0.	-1.	1.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.
14	M515	-1.	3.	1.	-1.	0.	0.	0.	0.	-1.	0.	-1.	0.	1.	0.	0.	0.
15	M515	-1.	-2.	6.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	2.	0.	0.
16	M515	0.	0.	-1.	1.	0.	-1.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
17	M515	-8.	-3.	0.	-2.	-9.	-5.	-3.	-6.	-4.	-3.	-1.	0.	1.	2.	0.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M515	2	1.27	6.	4.
M515	3	0.86		
M515	4	1.15		
M515	5	0.92		
M515	6	0.73		
M515	7	0.30		
M515	8	0.22		
M515	9	0.38		
M515	10	0.29		
M515	11	0.67		
M515	12	1.00		
M515	13	3.00		
M515	14	1.33		
M515	15	0.50		
M515	16	0.00		
M515	17	2.94		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M516	308.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	M516	309.	290.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	M516	309.	291.	232.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	M516	308.	291.	232.	173.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	M516	308.	291.	232.	173.	200.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	M516	308.	291.	232.	173.	200.	248.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	M516	308.	291.	232.	173.	201.	249.	344.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	M516	308.	291.	232.	173.	200.	249.	346.	327.	0.	0.	0.	0.	0.	0.	0.	0.	
9	M516	308.	291.	232.	173.	200.	249.	346.	327.	214.	0.	0.	0.	0.	0.	0.	0.	
10	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	219.	0.	0.	0.	0.	0.	0.	
11	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	220.	177.	0.	0.	0.	0.	0.	
12	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	220.	177.	158.	0.	0.	0.	0.	
13	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	220.	177.	158.	264.	0.	0.	0.	
14	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	220.	177.	158.	265.	257.	0.	0.	
15	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	220.	177.	158.	265.	260.	188.	0.	
16	M516	308.	291.	232.	173.	200.	249.	346.	328.	214.	220.	177.	158.	265.	260.	188.	151.	

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M516	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	M516	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	M516	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	M516	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	M516	0.	0.	0.	0.	-1.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
9	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
10	M516	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	
11	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
12	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
13	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
14	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	
15	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	
16	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
17	M516	0.	1.	0.	0.	0.	1.	2.	1.	0.	1.	0.	0.	1.	3.	0.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M516	2	0.67	3.	1.
M516	3	0.14		
M516	4	0.15		
M516	5	0.00		
M516	6	0.00		
M516	7	0.00		
M516	8	0.00		
M516	9	0.00		
M516	10	0.00		
M516	11	0.00		
M516	12	0.00		
M516	13	0.00		
M516	14	0.00		
M516	15	0.00		
M516	16	0.00		
M516	17	0.63		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M516	273.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M516	274.	225.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M516	274.	226.	230.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M516	282.	232.	248.	205.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M516	264.	228.	230.	230.	256.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M516	264.	228.	230.	230.	256.	270.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M516	264.	228.	230.	230.	258.	271.	240.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M516	264.	228.	230.	230.	256.	271.	241.	236.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M516	264.	228.	230.	230.	256.	271.	241.	236.	229.	0.	0.	0.	0.	0.	0.	0.	0.
10	M516	264.	228.	230.	230.	256.	271.	241.	237.	229.	237.	0.	0.	0.	0.	0.	0.	0.
11	M516	264.	228.	230.	230.	256.	271.	241.	237.	229.	238.	232.	0.	0.	0.	0.	0.	0.
12	M516	264.	228.	230.	230.	256.	271.	241.	237.	229.	238.	232.	237.	0.	0.	0.	0.	0.
13	M516	264.	228.	230.	230.	256.	271.	241.	237.	229.	238.	232.	237.	222.	0.	0.	0.	0.
14	M516	264.	228.	230.	230.	256.	271.	241.	237.	229.	238.	232.	237.	222.	202.	0.	0.	0.
15	M516	264.	228.	230.	230.	256.	271.	241.	237.	229.	238.	232.	237.	222.	204.	203.	0.	0.
16	M516	262.	233.	234.	240.	251.	257.	244.	240.	232.	235.	231.	230.	222.	209.	205.	193.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M516	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M516	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M516	7.	6.	18.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M516	-18.	-4.	-18.	25.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M516	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M516	0.	0.	0.	0.	-1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M516	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.
12	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.
15	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.
16	M516	-2.	5.	3.	9.	-5.	-14.	2.	3.	3.	-3.	-1.	-7.	0.	5.	2.	0.	
17	M516	-11.	8.	3.	34.	-5.	-13.	4.	3.	3.	-2.	-1.	-7.	1.	7.	2.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M516	2	3.53	25.	9.
M516	3	2.16		
M516	4	0.95		
M516	5	2.05		
M516	6	0.10		
M516	7	0.30		
M516	8	0.31		
M516	9	0.34		
M516	10	0.33		
M516	11	2.40		
M516	12	1.07		
M516	13	2.28		
M516	14	1.07		
M516	15	2.26		
M516	16	1.93		
M516	17	6.56		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M516	258.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M516	258.	226.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M516	260.	225.	227.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M516	262.	225.	228.	228.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M516	262.	226.	229.	232.	247.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M516	262.	226.	229.	235.	250.	261.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M516	262.	226.	229.	234.	250.	259.	242.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M516	262.	226.	230.	234.	249.	257.	241.	239.	0.	0.	0.	0.	0.	0.	0.	0.
9	M516	262.	226.	230.	235.	249.	257.	240.	238.	229.	0.	0.	0.	0.	0.	0.	0.
10	M516	262.	226.	230.	235.	250.	257.	240.	238.	229.	233.	0.	0.	0.	0.	0.	0.
11	M516	263.	227.	230.	233.	249.	258.	240.	238.	230.	234.	227.	0.	0.	0.	0.	0.
12	M516	265.	229.	232.	237.	251.	260.	243.	241.	234.	238.	232.	232.	0.	0.	0.	0.
13	M516	267.	229.	232.	237.	251.	260.	243.	241.	234.	238.	232.	232.	226.	0.	0.	0.
14	M516	264.	234.	232.	237.	251.	260.	243.	241.	234.	238.	232.	231.	224.	209.	0.	0.
15	M516	264.	233.	234.	237.	251.	260.	243.	241.	234.	238.	232.	231.	224.	211.	209.	0.
16	M516	262.	232.	234.	240.	252.	258.	245.	241.	234.	237.	233.	231.	223.	210.	207.	194.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M516	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M516	2.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M516	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M516	0.	1.	1.	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M516	0.	0.	0.	3.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M516	0.	0.	0.	-1.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M516	0.	0.	1.	0.	-1.	-2.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M516	0.	0.	0.	1.	0.	0.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.
10	M516	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	M516	1.	1.	0.	-2.	-1.	1.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.
12	M516	2.	2.	2.	4.	2.	2.	3.	3.	4.	4.	5.	0.	0.	0.	0.	0.
13	M516	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M516	-3.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.
15	M516	0.	-1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.
16	M516	-2.	-1.	0.	3.	1.	-2.	2.	0.	0.	-1.	1.	0.	-1.	-1.	-2.	0.
17	M516	4.	6.	7.	12.	5.	-3.	3.	2.	5.	4.	6.	-1.	-3.	1.	-2.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M516	2	1.67	5.	2.
M516	3	1.14		
M516	4	0.77		
M516	5	0.25		
M516	6	0.73		
M516	7	0.40		
M516	8	0.44		
M516	9	0.50		
M516	10	0.71		
M516	11	0.83		
M516	12	0.60		
M516	13	3.00		
M516	14	1.33		
M516	15	0.50		
M516	16	2.00		
M516	17	4.00		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M518	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M518	157.	145.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M518	157.	145.	160.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M518	158.	145.	160.	149.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M518	158.	145.	160.	149.	161.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M518	158.	145.	160.	149.	161.	163.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M518	158.	145.	160.	149.	162.	163.	175.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M518	158.	145.	160.	148.	161.	163.	175.	175.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	0.	0.	0.	0.	0.	0.	0.	0.
10	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	184.	0.	0.	0.	0.	0.	0.	0.
11	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	184.	169.	0.	0.	0.	0.	0.	0.
12	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	185.	170.	145.	0.	0.	0.	0.	0.
13	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	185.	170.	145.	153.	0.	0.	0.	0.
14	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	185.	170.	145.	154.	151.	0.	0.	0.
15	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	185.	170.	145.	154.	152.	152.	0.	0.
16	M518	158.	145.	160.	148.	161.	163.	175.	175.	156.	185.	170.	145.	154.	152.	152.	170.	0.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M518	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M518	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M518	0.	0.	0.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.
13	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.
15	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
16	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	M518	1.	0.	0.	-1.	0.	0.	0.	0.	0.	1.	1.	0.	1.	1.	0.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M518	2	0.20	1.	1.
M518	3	0.14		
M518	4	0.15		
M518	5	0.08		
M518	6	0.00		
M518	7	0.00		
M518	8	0.00		
M518	9	0.00		
M518	10	0.00		
M518	11	0.00		
M518	12	0.00		
M518	13	0.00		
M518	14	0.00		
M518	15	0.00		
M518	16	0.00		
M518	17	0.38		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M518	164.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M518	164.	164.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M518	164.	164.	154.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M518	163.	169.	164.	149.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M518	162.	161.	158.	163.	160.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M518	162.	161.	158.	163.	160.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M518	162.	161.	158.	163.	161.	162.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M518	162.	161.	158.	162.	160.	162.	162.	161.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	0.	0.	0.	0.	0.	0.	0.	0.
10	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	164.	0.	0.	0.	0.	0.	0.	0.
11	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	164.	157.	0.	0.	0.	0.	0.	0.
12	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	165.	158.	167.	0.	0.	0.	0.	0.
13	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	165.	158.	167.	157.	0.	0.	0.	0.
14	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	165.	158.	167.	158.	167.	0.	0.	0.
15	M518	162.	161.	158.	162.	160.	162.	162.	161.	163.	165.	158.	167.	158.	168.	165.	0.	0.
16	M518	165.	160.	158.	161.	160.	162.	162.	161.	162.	164.	160.	163.	162.	166.	165.	168.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M518	-1.	5.	10.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M518	0.	-8.	-6.	14.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M518	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M518	0.	0.	0.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.
13	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.
15	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
16	M518	3.	-1.	0.	-1.	1.	0.	0.	0.	-1.	-1.	3.	-3.	4.	-2.	0.	0.	
17	M518	2.	-4.	4.	12.	1.	0.	0.	0.	-1.	0.	4.	-3.	5.	0.	0.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M518	2	1.83	14.	9.
M518	3	1.07		
M518	4	1.09		
M518	5	0.39		
M518	6	0.24		
M518	7	0.08		
M518	8	0.10		
M518	9	0.04		
M518	10	0.03		
M518	11	0.01		
M518	12	0.11		
M518	13	0.32		
M518	14	0.12		
M518	15	0.61		
M518	16	2.99		
M518	17	2.27		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	M518	160.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M518	161.	161.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M518	161.	160.	156.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M518	161.	161.	157.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M518	161.	161.	157.	162.	160.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M518	162.	161.	157.	162.	160.	161.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M518	161.	161.	157.	162.	160.	161.	162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M518	161.	160.	157.	161.	160.	161.	162.	161.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M518	162.	160.	156.	161.	160.	161.	162.	161.	163.	0.	0.	0.	0.	0.	0.	0.	0.
10	M518	162.	160.	156.	161.	160.	161.	162.	161.	163.	164.	0.	0.	0.	0.	0.	0.	0.
11	M518	161.	160.	157.	161.	160.	161.	162.	160.	163.	164.	159.	0.	0.	0.	0.	0.	0.
12	M518	161.	161.	157.	161.	160.	162.	162.	161.	164.	165.	160.	165.	0.	0.	0.	0.	0.
13	M518	166.	161.	157.	161.	160.	162.	162.	161.	163.	164.	160.	165.	161.	0.	0.	0.	0.
14	M518	165.	160.	157.	161.	160.	162.	162.	161.	163.	164.	160.	165.	162.	166.	0.	0.	0.
15	M518	165.	160.	158.	161.	160.	162.	162.	161.	163.	164.	160.	165.	162.	167.	165.	0.	0.
16	M518	165.	160.	158.	161.	161.	162.	162.	161.	163.	164.	160.	164.	162.	167.	166.	168.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	M518	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M518	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M518	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M518	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M518	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M518	0.	-1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M518	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	M518	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	M518	-1.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	M518	0.	1.	0.	0.	0.	1.	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.
13	M518	5.	0.	0.	0.	0.	0.	0.	0.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.
14	M518	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.
15	M518	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
16	M518	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	1.	0.	
17	M518	5.	-1.	2.	-1.	1.	1.	0.	0.	0.	0.	1.	-1.	1.	1.	1.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M518	2	0.47	5.	3.
M518	3	0.14		
M518	4	0.23		
M518	5	0.33		
M518	6	0.09		
M518	7	0.40		
M518	8	0.00		
M518	9	0.25		
M518	10	0.00		
M518	11	0.33		
M518	12	0.20		
M518	13	1.75		
M518	14	0.33		
M518	15	0.00		
M518	16	0.00		
M518	17	1.00		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X411	290.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X411	290.	243.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X411	288.	243.	198.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X411	296.	236.	191.	213.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X411	302.	236.	199.	206.	223.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X411	302.	237.	199.	225.	222.	214.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X411	302.	237.	199.	225.	233.	214.	188.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X411	302.	237.	199.	225.	233.	195.	188.	242.	0.	0.	0.	0.	0.	0.	0.	0.
9	X411	302.	237.	199.	229.	233.	197.	191.	242.	392.	0.	0.	0.	0.	0.	0.	0.
10	X411	302.	237.	199.	229.	234.	197.	191.	270.	392.	377.	0.	0.	0.	0.	0.	0.
11	X411	336.	252.	209.	213.	225.	224.	192.	244.	390.	377.	320.	0.	0.	0.	0.	0.
12	X411	336.	252.	209.	213.	225.	224.	192.	244.	390.	359.	316.	321.	0.	0.	0.	0.
13	X411	336.	252.	209.	213.	225.	224.	192.	244.	390.	359.	316.	321.	383.	0.	0.	0.
14	X411	336.	252.	209.	213.	225.	224.	192.	244.	390.	359.	316.	321.	379.	281.	0.	0.
15	X411	336.	252.	209.	213.	225.	224.	192.	244.	390.	359.	316.	321.	377.	282.	287.	0.
16	X411	336.	252.	209.	213.	225.	224.	192.	244.	390.	359.	316.	321.	377.	296.	288.	272.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X411	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X411	8.	-7.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X411	6.	0.	8.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X411	0.	1.	0.	19.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X411	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X411	0.	0.	0.	0.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X411	0.	0.	0.	4.	0.	2.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X411	0.	0.	0.	0.	1.	0.	0.	28.	0.	0.	0.	0.	0.	0.	0.	0.
11	X411	34.	15.	10.	-16.	-9.	27.	1.	-26.	-2.	0.	0.	0.	0.	0.	0.	0.
12	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	-18.	-4.	0.	0.	0.	0.	0.
13	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	0.	0.	0.
15	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	1.	0.	0.
16	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	1.	0.
17	X411	46.	9.	11.	0.	2.	10.	4.	2.	-2.	-18.	-4.	0.	-6.	15.	1.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X411	2	1.67	34.	11.
X411	3	9.50		
X411	4	2.77		
X411	5	0.67		
X411	6	2.91		
X411	7	0.90		
X411	8	1.78		
X411	9	1.25		
X411	10	2.14		
X411	11	5.67		
X411	12	0.00		
X411	13	0.00		
X411	14	0.00		
X411	15	0.00		
X411	16	0.00		
X411	17	8.13		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X411	232.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X411	232.	231.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X411	230.	231.	186.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X411	248.	236.	200.	219.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X411	231.	215.	192.	208.	234.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X411	231.	216.	192.	227.	233.	230.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X411	231.	216.	192.	227.	244.	230.	213.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X411	231.	216.	192.	227.	244.	210.	213.	269.	0.	0.	0.	0.	0.	0.	0.	0.
9	X411	231.	216.	192.	231.	244.	212.	216.	269.	493.	0.	0.	0.	0.	0.	0.	0.
10	X411	231.	216.	192.	231.	245.	212.	216.	300.	493.	370.	0.	0.	0.	0.	0.	0.
11	X411	257.	230.	202.	215.	236.	241.	218.	271.	491.	370.	292.	0.	0.	0.	0.	0.
12	X411	257.	230.	202.	215.	236.	241.	218.	271.	491.	353.	288.	323.	0.	0.	0.	0.
13	X411	257.	230.	202.	215.	236.	241.	218.	271.	491.	353.	288.	323.	295.	0.	0.	0.
14	X411	257.	230.	202.	215.	236.	241.	218.	271.	491.	353.	288.	323.	292.	255.	0.	0.
15	X411	257.	230.	202.	215.	236.	241.	218.	271.	491.	353.	288.	323.	290.	256.	285.	0.
16	X411	258.	233.	209.	230.	240.	249.	219.	273.	444.	327.	289.	312.	292.	274.	297.	279.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X411	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X411	17.	5.	14.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X411	-17.	-21.	-9.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X411	0.	1.	0.	19.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X411	0.	0.	0.	0.	12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X411	0.	0.	0.	0.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X411	0.	0.	0.	4.	0.	2.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X411	0.	0.	0.	0.	1.	0.	0.	31.	0.	0.	0.	0.	0.	0.	0.	0.
11	X411	26.	14.	10.	-16.	-9.	29.	1.	-29.	-3.	0.	0.	0.	0.	0.	0.	0.
12	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	-18.	-4.	0.	0.	0.	0.	0.
13	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.
15	X411	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	1.	0.	0.
16	X411	1.	3.	7.	16.	4.	8.	2.	2.	-47.	-26.	1.	-11.	2.	18.	11.	0.
17	X411	26.	2.	22.	12.	6.	19.	6.	4.	-50.	-43.	-2.	-11.	-3.	19.	11.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X411	2	3.00	47.	10.
X411	3	10.01		
X411	4	5.44		
X411	5	2.53		
X411	6	3.23		
X411	7	3.50		
X411	8	7.05		
X411	9	1.49		
X411	10	2.17		
X411	11	5.67		
X411	12	0.83		
X411	13	3.88		
X411	14	2.33		
X411	15	1.47		
X411	16	0.98		
X411	17	14.80		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X411	223.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X411	224.	227.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X411	217.	216.	189.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X411	225.	214.	183.	214.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X411	233.	216.	193.	212.	226.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X411	231.	217.	192.	226.	227.	228.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X411	230.	217.	190.	226.	234.	227.	218.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X411	232.	222.	196.	230.	239.	215.	216.	258.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X411	226.	217.	197.	234.	245.	224.	225.	269.	465.	0.	0.	0.	0.	0.	0.	0.	0.
10	X411	230.	222.	200.	236.	246.	216.	219.	301.	460.	353.	0.	0.	0.	0.	0.	0.	0.
11	X411	262.	234.	208.	224.	238.	245.	215.	270.	449.	342.	293.	0.	0.	0.	0.	0.	0.
12	X411	261.	233.	208.	223.	237.	244.	215.	271.	450.	329.	289.	319.	0.	0.	0.	0.	0.
13	X411	263.	234.	208.	224.	238.	245.	215.	271.	450.	328.	288.	317.	303.	0.	0.	0.	0.
14	X411	259.	238.	210.	225.	239.	245.	216.	271.	449.	327.	286.	314.	296.	263.	0.	0.	0.
15	X411	259.	236.	207.	226.	240.	246.	221.	271.	446.	329.	287.	314.	294.	264.	295.	0.	0.
16	X411	258.	233.	209.	230.	240.	248.	219.	273.	444.	327.	289.	312.	292.	274.	297.	279.	0.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X411	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X411	-7.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X411	8.	-2.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X411	8.	2.	10.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X411	-2.	1.	-1.	14.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X411	-1.	0.	-2.	0.	7.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X411	2.	5.	6.	4.	5.	-12.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X411	-6.	-5.	1.	4.	6.	9.	9.	11.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X411	4.	5.	3.	2.	1.	-8.	-6.	32.	-5.	0.	0.	0.	0.	0.	0.	0.	0.
11	X411	32.	12.	8.	-12.	-8.	29.	-4.	-31.	-11.	-11.	0.	0.	0.	0.	0.	0.	0.
12	X411	-1.	-1.	0.	-1.	-1.	-1.	0.	1.	1.	-13.	-4.	0.	0.	0.	0.	0.	0.
13	X411	2.	1.	0.	1.	1.	1.	0.	0.	0.	-1.	-1.	-2.	0.	0.	0.	0.	0.
14	X411	-4.	4.	2.	1.	1.	0.	1.	0.	-1.	-1.	-2.	-3.	-7.	0.	0.	0.	0.
15	X411	0.	-2.	-3.	1.	1.	1.	5.	0.	-3.	2.	1.	0.	-2.	1.	0.	0.	0.
16	X411	-1.	-3.	2.	4.	0.	2.	-2.	2.	-2.	-2.	2.	-2.	-2.	10.	2.	0.	0.
17	X411	35.	6.	20.	16.	14.	20.	1.	15.	-21.	-26.	-4.	-7.	-11.	11.	2.	0.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X411	2	4.47	32.	14.
X411	3	9.50		
X411	4	5.23		
X411	5	3.17		
X411	6	4.27		
X411	7	2.30		
X411	8	3.00		
X411	9	3.50		
X411	10	3.00		
X411	11	6.17		
X411	12	1.00		
X411	13	3.25		
X411	14	2.67		
X411	15	1.50		
X411	16	1.00		
X411	17	13.06		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X417	89.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X417	108.	96.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X417	114.	96.	93.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X417	114.	89.	93.	93.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X417	114.	89.	93.	93.	123.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X417	114.	89.	93.	93.	122.	107.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X417	114.	89.	93.	93.	122.	107.	33.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X417	114.	89.	93.	93.	122.	107.	44.	73.	0.	0.	0.	0.	0.	0.	0.	0.
9	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	0.	0.	0.	0.	0.	0.	0.
10	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	0.	0.	0.	0.	0.	0.
11	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	122.	0.	0.	0.	0.	0.
12	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	121.	79.	0.	0.	0.	0.
13	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	121.	79.	119.	0.	0.	0.
14	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	121.	79.	119.	96.	0.	0.
15	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	121.	79.	119.	96.	95.	0.
16	X417	114.	89.	93.	93.	122.	107.	45.	73.	104.	118.	121.	79.	119.	96.	96.	131.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X417	19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X417	6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X417	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X417	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X417	0.	0.	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X417	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.
13	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.
17	X417	25.	-7.	0.	0.	-1.	0.	12.	0.	0.	0.	-1.	0.	0.	0.	1.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X417	2	2.20	19.	21.
X417	3	1.00		
X417	4	0.00		
X417	5	0.00		
X417	6	0.00		
X417	7	0.00		
X417	8	0.00		
X417	9	0.00		
X417	10	0.00		
X417	11	0.00		
X417	12	0.00		
X417	13	0.00		
X417	14	0.00		
X417	15	0.00		
X417	16	0.00		
X417	17	2.94		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X417	79.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X417	95.	91.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X417	101.	91.	78.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X417	120.	78.	72.	84.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X417	103.	86.	76.	72.	103.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X417	103.	86.	76.	72.	102.	115.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X417	103.	86.	76.	72.	102.	115.	54.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X417	103.	86.	76.	72.	102.	115.	72.	89.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	0.	0.	0.	0.	0.	0.	0.	0.
10	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	122.	0.	0.	0.	0.	0.	0.	0.
11	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	122.	121.	0.	0.	0.	0.	0.	0.
12	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	122.	120.	94.	0.	0.	0.	0.	0.
13	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	122.	120.	94.	108.	0.	0.	0.	0.
14	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	122.	120.	94.	108.	93.	0.	0.	0.
15	X417	103.	86.	76.	72.	102.	115.	73.	89.	112.	122.	120.	94.	108.	93.	80.	0.	0.
16	X417	101.	89.	84.	77.	86.	120.	79.	90.	107.	114.	111.	102.	107.	96.	90.	101.	0.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X417	17.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X417	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X417	19.	-12.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X417	-17.	7.	5.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X417	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X417	0.	0.	0.	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X417	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.
13	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	X417	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	X417	-2.	4.	8.	5.	-16.	5.	5.	1.	-6.	-8.	-8.	8.	-1.	4.	10.	0.	
17	X417	22.	-2.	6.	-6.	-16.	5.	25.	1.	-6.	-8.	-9.	8.	-1.	4.	10.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X417	2	4.31	19.	19.
X417	3	1.99		
X417	4	2.13		
X417	5	2.11		
X417	6	0.74		
X417	7	0.83		
X417	8	0.62		
X417	9	0.16		
X417	10	0.77		
X417	11	0.82		
X417	12	3.10		
X417	13	1.27		
X417	14	2.55		
X417	15	1.76		
X417	16	2.14		
X417	17	8.05		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X417	79.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X417	98.	91.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X417	102.	90.	76.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X417	102.	85.	76.	72.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X417	102.	86.	76.	73.	77.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X417	101.	85.	77.	75.	82.	114.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X417	101.	85.	77.	75.	81.	115.	53.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X417	101.	85.	77.	75.	82.	114.	74.	84.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X417	102.	86.	78.	75.	82.	115.	75.	86.	105.	0.	0.	0.	0.	0.	0.	0.	0.
10	X417	101.	86.	78.	75.	81.	114.	75.	86.	107.	121.	0.	0.	0.	0.	0.	0.	0.
11	X417	101.	86.	78.	75.	81.	115.	76.	86.	107.	120.	115.	0.	0.	0.	0.	0.	0.
12	X417	101.	85.	79.	77.	83.	116.	77.	88.	108.	120.	114.	113.	0.	0.	0.	0.	0.
13	X417	101.	85.	79.	77.	83.	117.	77.	88.	108.	120.	113.	111.	107.	0.	0.	0.	0.
14	X417	100.	87.	79.	77.	83.	117.	77.	89.	109.	120.	112.	110.	106.	96.	0.	0.	0.
15	X417	99.	87.	82.	77.	83.	117.	78.	88.	108.	119.	112.	109.	105.	95.	87.	0.	0.
16	X417	99.	88.	84.	77.	86.	120.	78.	90.	107.	114.	112.	102.	108.	97.	90.	101.	0.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X417	19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X417	4.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X417	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X417	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X417	-1.	-1.	1.	2.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X417	0.	0.	0.	0.	-1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X417	0.	0.	0.	0.	1.	-1.	21.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X417	1.	1.	1.	0.	0.	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X417	-1.	0.	0.	0.	-1.	-1.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.
11	X417	0.	0.	0.	0.	0.	1.	1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.
12	X417	0.	-1.	1.	2.	2.	1.	1.	2.	1.	0.	-1.	0.	0.	0.	0.	0.	0.
13	X417	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	0.	0.
14	X417	-1.	2.	0.	0.	0.	0.	0.	1.	1.	0.	-1.	-1.	-1.	0.	0.	0.	0.
15	X417	-1.	0.	3.	0.	0.	0.	1.	-1.	-1.	-1.	0.	-1.	-1.	-1.	0.	0.	0.
16	X417	0.	1.	2.	0.	3.	3.	0.	2.	-1.	-5.	0.	-7.	3.	2.	3.	0.	
17	X417	20.	-3.	8.	5.	9.	6.	25.	6.	2.	-7.	-3.	-11.	1.	1.	3.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X417	2	4.07	21.	19.
X417	3	1.36		
X417	4	0.77		
X417	5	1.00		
X417	6	0.55		
X417	7	0.90		
X417	8	0.67		
X417	9	0.75		
X417	10	0.29		
X417	11	0.67		
X417	12	0.60		
X417	13	1.25		
X417	14	1.00		
X417	15	1.00		
X417	16	0.00		
X417	17	6.88		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X419	79.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X419	79.	65.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X419	78.	65.	81.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X419	78.	65.	81.	66.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X419	78.	65.	81.	66.	74.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X419	78.	65.	81.	66.	74.	76.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X419	78.	65.	81.	66.	74.	76.	69.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X419	78.	65.	81.	66.	74.	76.	69.	79.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X419	78.	65.	81.	66.	74.	76.	69.	79.	68.	0.	0.	0.	0.	0.	0.	0.	0.
10	X419	78.	65.	81.	66.	74.	76.	69.	78.	68.	76.	0.	0.	0.	0.	0.	0.	0.
11	X419	78.	65.	81.	66.	74.	76.	69.	78.	69.	76.	64.	0.	0.	0.	0.	0.	0.
12	X419	78.	65.	81.	66.	74.	76.	69.	78.	69.	76.	68.	57.	0.	0.	0.	0.	0.
13	X419	78.	65.	81.	66.	74.	76.	69.	78.	69.	76.	68.	57.	61.	0.	0.	0.	0.
14	X419	78.	65.	81.	66.	74.	76.	69.	78.	69.	76.	68.	57.	61.	54.	0.	0.	0.
15	X419	78.	65.	81.	66.	74.	76.	69.	78.	69.	76.	68.	57.	62.	58.	74.	0.	0.
16	X419	78.	65.	81.	66.	74.	76.	69.	78.	69.	76.	68.	57.	62.	58.	71.	59.	0.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X419	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X419	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	X419	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.
12	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.
13	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	4.	0.	0.	0.
16	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	
17	X419	-1.	0.	0.	0.	0.	0.	0.	-1.	1.	0.	4.	0.	1.	4.	-3.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X419	2	0.73	4.	6.
X419	3	0.29		
X419	4	0.00		
X419	5	0.00		
X419	6	0.00		
X419	7	0.00		
X419	8	0.00		
X419	9	0.00		
X419	10	0.00		
X419	11	0.00		
X419	12	0.00		
X419	13	0.00		
X419	14	0.00		
X419	15	0.00		
X419	16	0.00		
X419	17	0.94		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X419	72.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X419	72.	61.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X419	71.	61.	60.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X419	77.	59.	67.	70.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X419	70.	63.	61.	60.	66.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X419	70.	63.	61.	60.	66.	78.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X419	70.	63.	61.	60.	66.	78.	81.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X419	70.	63.	61.	60.	66.	78.	81.	95.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X419	70.	63.	61.	60.	66.	78.	81.	95.	81.	0.	0.	0.	0.	0.	0.	0.	0.
10	X419	70.	63.	61.	60.	66.	78.	81.	93.	81.	84.	0.	0.	0.	0.	0.	0.	0.
11	X419	70.	63.	61.	60.	66.	78.	81.	93.	82.	84.	66.	0.	0.	0.	0.	0.	0.
12	X419	70.	63.	61.	60.	66.	78.	81.	93.	82.	84.	70.	62.	0.	0.	0.	0.	0.
13	X419	70.	63.	61.	60.	66.	78.	81.	93.	82.	84.	70.	62.	54.	0.	0.	0.	0.
14	X419	70.	63.	61.	60.	66.	78.	81.	93.	82.	84.	70.	62.	54.	53.	0.	0.	0.
15	X419	70.	63.	61.	60.	66.	78.	81.	93.	82.	84.	70.	62.	55.	57.	56.	0.	0.
16	X419	73.	65.	65.	63.	68.	77.	77.	85.	78.	79.	68.	63.	58.	58.	57.	57.	0.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X419	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X419	6.	-2.	7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X419	-7.	4.	-6.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X419	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	X419	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.
12	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.
13	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	X419	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	4.	0.	0.	0.
16	X419	3.	2.	4.	3.	2.	-1.	-4.	-9.	-5.	-5.	-2.	0.	3.	2.	2.	0.	
17	X419	1.	4.	5.	-7.	2.	-1.	-4.	-10.	-3.	-5.	2.	0.	4.	6.	2.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X419	2	1.74	10.	14.
X419	3	0.95		
X419	4	1.03		
X419	5	0.66		
X419	6	0.15		
X419	7	0.49		
X419	8	0.50		
X419	9	1.08		
X419	10	0.53		
X419	11	0.20		
X419	12	0.47		
X419	13	0.85		
X419	14	1.29		
X419	15	0.81		
X419	16	3.37		
X419	17	3.48		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X419	72.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X419	69.	61.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X419	69.	62.	60.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X419	69.	63.	61.	59.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X419	69.	63.	61.	60.	63.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X419	69.	63.	62.	61.	65.	76.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X419	68.	63.	62.	61.	66.	76.	78.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X419	69.	63.	62.	62.	66.	77.	79.	88.	0.	0.	0.	0.	0.	0.	0.	0.
9	X419	70.	64.	63.	62.	67.	78.	78.	87.	79.	0.	0.	0.	0.	0.	0.	0.
10	X419	69.	64.	63.	63.	67.	78.	78.	86.	79.	82.	0.	0.	0.	0.	0.	0.
11	X419	69.	64.	63.	63.	68.	78.	78.	86.	78.	80.	69.	0.	0.	0.	0.	0.
12	X419	69.	64.	63.	63.	67.	77.	78.	86.	77.	79.	71.	65.	0.	0.	0.	0.
13	X419	73.	64.	63.	62.	67.	77.	77.	87.	78.	80.	68.	63.	57.	0.	0.	0.
14	X419	73.	65.	64.	62.	67.	76.	77.	86.	78.	80.	68.	63.	57.	54.	0.	0.
15	X419	73.	65.	64.	62.	67.	76.	77.	85.	77.	79.	68.	63.	58.	58.	59.	0.
16	X419	73.	65.	65.	63.	68.	77.	77.	85.	77.	78.	68.	63.	58.	58.	57.	56.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X419	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X419	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X419	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X419	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X419	0.	0.	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X419	-1.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X419	1.	0.	0.	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X419	1.	1.	1.	0.	1.	1.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.
10	X419	-1.	0.	0.	1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.
11	X419	0.	0.	0.	0.	1.	0.	0.	0.	-1.	-2.	0.	0.	0.	0.	0.	0.
12	X419	0.	0.	0.	0.	-1.	-1.	0.	0.	-1.	-1.	2.	0.	0.	0.	0.	0.
13	X419	4.	0.	0.	-1.	0.	0.	-1.	1.	1.	1.	-3.	-2.	0.	0.	0.	0.
14	X419	0.	1.	1.	0.	0.	-1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.
15	X419	0.	0.	0.	0.	0.	0.	0.	-1.	-1.	-1.	0.	0.	1.	4.	0.	0.
16	X419	0.	0.	1.	1.	1.	1.	0.	0.	0.	-1.	0.	0.	0.	0.	-2.	0.
17	X419	1.	4.	5.	4.	5.	1.	-1.	-3.	-2.	-4.	-1.	-2.	1.	4.	-2.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X419	2	1.47	4.	7.
X419	3	0.86		
X419	4	0.31		
X419	5	0.25		
X419	6	0.18		
X419	7	0.90		
X419	8	0.44		
X419	9	0.25		
X419	10	0.29		
X419	11	0.17		
X419	12	0.40		
X419	13	1.50		
X419	14	0.33		
X419	15	0.00		
X419	16	0.00		
X419	17	2.50		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X501	386.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X501	387.	415.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X501	394.	416.	443.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X501	400.	413.	449.	389.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X501	400.	417.	441.	390.	464.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X501	400.	417.	446.	408.	466.	437.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X501	400.	417.	446.	412.	465.	464.	425.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X501	400.	417.	446.	414.	469.	469.	442.	367.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X501	400.	417.	446.	414.	469.	470.	408.	394.	365.	0.	0.	0.	0.	0.	0.	0.	0.
10	X501	400.	417.	446.	415.	469.	470.	409.	400.	392.	422.	0.	0.	0.	0.	0.	0.	0.
11	X501	388.	428.	450.	413.	471.	464.	413.	406.	383.	451.	417.	0.	0.	0.	0.	0.	0.
12	X501	389.	428.	450.	413.	471.	465.	412.	406.	385.	430.	425.	397.	0.	0.	0.	0.	0.
13	X501	389.	428.	450.	413.	471.	465.	412.	406.	385.	430.	425.	397.	369.	0.	0.	0.	0.
14	X501	389.	428.	450.	413.	471.	465.	412.	406.	385.	430.	425.	397.	389.	384.	0.	0.	0.
15	X501	389.	428.	450.	413.	471.	465.	412.	406.	385.	430.	425.	397.	373.	402.	425.	0.	0.
16	X501	389.	428.	450.	413.	471.	465.	412.	406.	385.	430.	425.	397.	373.	384.	446.	445.	0.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X501	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X501	7.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X501	6.	-3.	6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X501	0.	4.	-8.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X501	0.	0.	5.	18.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X501	0.	0.	0.	4.	-1.	27.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X501	0.	0.	0.	2.	4.	5.	17.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X501	0.	0.	0.	0.	0.	1.	-34.	27.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X501	0.	0.	0.	1.	0.	0.	1.	6.	27.	0.	0.	0.	0.	0.	0.	0.	0.
11	X501	-12.	11.	4.	-2.	2.	-6.	4.	6.	-9.	29.	0.	0.	0.	0.	0.	0.	0.
12	X501	1.	0.	0.	0.	0.	1.	-1.	0.	2.	-21.	8.	0.	0.	0.	0.	0.	0.
13	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	0.	0.	0.	0.
15	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-16.	18.	0.	0.	0.
16	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-18.	21.	0.	0.
17	X501	3.	13.	7.	24.	7.	28.	-13.	39.	20.	8.	8.	0.	4.	0.	21.	0.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X501	2	13.67	34.	8.
X501	3	10.43		
X501	4	2.54		
X501	5	0.50		
X501	6	0.64		
X501	7	0.40		
X501	8	0.22		
X501	9	0.50		
X501	10	1.57		
X501	11	2.00		
X501	12	0.20		
X501	13	0.00		
X501	14	0.00		
X501	15	0.00		
X501	16	0.00		
X501	17	12.19		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X501	391.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X501	392.	472.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X501	399.	473.	416.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X501	403.	490.	443.	376.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X501	401.	468.	411.	403.	428.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X501	401.	468.	416.	421.	430.	410.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X501	401.	468.	416.	425.	429.	435.	440.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X501	401.	468.	416.	427.	433.	440.	458.	405.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X501	401.	468.	416.	427.	433.	441.	423.	434.	369.	0.	0.	0.	0.	0.	0.	0.	0.
10	X501	401.	468.	416.	428.	433.	441.	424.	441.	396.	412.	0.	0.	0.	0.	0.	0.	0.
11	X501	389.	480.	420.	426.	434.	435.	428.	447.	387.	441.	408.	0.	0.	0.	0.	0.	0.
12	X501	390.	480.	420.	426.	434.	436.	427.	447.	389.	420.	415.	393.	0.	0.	0.	0.	0.
13	X501	390.	480.	420.	426.	434.	436.	427.	447.	389.	420.	415.	393.	368.	0.	0.	0.	0.
14	X501	390.	480.	420.	426.	434.	436.	427.	447.	389.	420.	415.	393.	388.	430.	0.	0.	0.
15	X501	390.	480.	420.	426.	434.	436.	427.	447.	389.	420.	415.	393.	372.	451.	423.	0.	0.
16	X501	404.	476.	416.	419.	434.	433.	424.	431.	400.	420.	412.	403.	388.	427.	437.	418.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X501	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X501	7.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X501	4.	17.	27.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X501	-2.	-22.	-32.	27.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X501	0.	0.	5.	19.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X501	0.	0.	0.	4.	-1.	25.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X501	0.	0.	0.	2.	4.	5.	18.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X501	0.	0.	0.	0.	0.	1.	-35.	30.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X501	0.	0.	0.	1.	0.	0.	1.	7.	27.	0.	0.	0.	0.	0.	0.	0.	0.
11	X501	-12.	12.	4.	-2.	2.	-6.	4.	7.	-9.	28.	0.	0.	0.	0.	0.	0.	0.
12	X501	1.	0.	0.	0.	0.	1.	-1.	0.	2.	-21.	8.	0.	0.	0.	0.	0.	0.
13	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	0.	0.	0.	0.
15	X501	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-16.	20.	0.	0.	0.
16	X501	14.	-4.	-3.	-7.	0.	-4.	-2.	-17.	12.	0.	-3.	10.	17.	-24.	15.	0.	
17	X501	13.	4.	1.	44.	6.	22.	-16.	26.	32.	8.	5.	10.	21.	-4.	15.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X501	2	16.62	35.	8.
X501	3	13.64		
X501	4	5.06		
X501	5	1.54		
X501	6	0.88		
X501	7	0.39		
X501	8	1.53		
X501	9	2.55		
X501	10	2.10		
X501	11	2.65		
X501	12	0.25		
X501	13	1.71		
X501	14	1.07		
X501	15	1.87		
X501	16	13.53		
X501	17	14.12		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X501	388.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X501	392.	465.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X501	397.	465.	413.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X501	399.	462.	416.	399.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X501	399.	466.	412.	401.	424.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X501	400.	465.	415.	415.	426.	411.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X501	400.	466.	416.	419.	427.	432.	436.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X501	400.	465.	416.	420.	428.	435.	449.	415.	0.	0.	0.	0.	0.	0.	0.	0.
9	X501	402.	467.	418.	421.	429.	435.	421.	420.	370.	0.	0.	0.	0.	0.	0.	0.
10	X501	401.	467.	417.	421.	429.	435.	423.	426.	401.	414.	0.	0.	0.	0.	0.	0.
11	X501	393.	478.	421.	420.	431.	432.	426.	431.	390.	436.	412.	0.	0.	0.	0.	0.
12	X501	394.	478.	422.	421.	432.	433.	426.	432.	395.	420.	416.	401.	0.	0.	0.	0.
13	X501	403.	479.	422.	421.	431.	433.	426.	431.	395.	419.	413.	399.	383.	0.	0.	0.
14	X501	399.	476.	421.	421.	431.	433.	426.	431.	395.	420.	415.	401.	400.	427.	0.	0.
15	X501	403.	470.	421.	421.	432.	433.	427.	430.	397.	420.	416.	402.	387.	441.	423.	0.
16	X501	402.	476.	416.	419.	434.	432.	425.	431.	401.	420.	412.	403.	389.	427.	438.	419.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X501	4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X501	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X501	2.	-3.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X501	0.	4.	-4.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X501	1.	-1.	3.	14.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X501	0.	1.	1.	4.	1.	21.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X501	0.	-1.	0.	1.	1.	3.	13.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X501	2.	2.	2.	1.	1.	0.	-28.	5.	0.	0.	0.	0.	0.	0.	0.	0.
10	X501	-1.	0.	-1.	0.	0.	0.	2.	6.	31.	0.	0.	0.	0.	0.	0.	0.
11	X501	-8.	11.	4.	-1.	2.	-3.	3.	5.	-11.	22.	0.	0.	0.	0.	0.	0.
12	X501	1.	0.	1.	1.	1.	1.	0.	1.	5.	-16.	4.	0.	0.	0.	0.	0.
13	X501	9.	1.	0.	0.	-1.	0.	0.	-1.	0.	-1.	-3.	-2.	0.	0.	0.	0.
14	X501	-4.	-3.	-1.	0.	0.	0.	0.	0.	0.	1.	2.	2.	17.	0.	0.	0.
15	X501	4.	-6.	0.	0.	1.	0.	1.	-1.	2.	0.	1.	1.	-13.	14.	0.	0.
16	X501	-1.	6.	-5.	-2.	2.	-1.	-2.	1.	4.	0.	-4.	1.	2.	-14.	15.	0.
17	X501	14.	11.	3.	20.	10.	21.	-11.	16.	31.	6.	0.	2.	6.	0.	15.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X501	2	10.33	31.	0.
X501	3	8.79		
X501	4	2.46		
X501	5	0.92		
X501	6	1.00		
X501	7	0.80		
X501	8	1.11		
X501	9	1.25		
X501	10	2.14		
X501	11	1.67		
X501	12	1.00		
X501	13	3.50		
X501	14	5.00		
X501	15	5.00		
X501	16	1.00		
X501	17	10.38		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X506	328.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X506	328.	310.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X506	317.	310.	449.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X506	323.	326.	449.	508.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X506	323.	326.	471.	508.	438.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X506	323.	326.	474.	479.	435.	457.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X506	323.	326.	474.	480.	430.	470.	480.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X506	326.	326.	474.	481.	438.	495.	491.	436.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X506	326.	327.	475.	483.	438.	495.	455.	446.	393.	0.	0.	0.	0.	0.	0.	0.	0.
10	X506	326.	327.	475.	483.	438.	495.	456.	437.	405.	420.	0.	0.	0.	0.	0.	0.	0.
11	X506	329.	322.	468.	490.	441.	473.	481.	441.	400.	436.	426.	0.	0.	0.	0.	0.	0.
12	X506	329.	322.	468.	490.	441.	473.	481.	442.	403.	427.	433.	402.	0.	0.	0.	0.	0.
13	X506	329.	322.	468.	490.	441.	473.	481.	442.	403.	427.	433.	402.	453.	0.	0.	0.	0.
14	X506	329.	322.	468.	490.	441.	473.	481.	442.	403.	427.	433.	402.	467.	522.	0.	0.	0.
15	X506	329.	322.	468.	490.	441.	473.	481.	442.	403.	427.	433.	402.	454.	534.	505.	0.	0.
16	X506	329.	322.	468.	490.	441.	473.	481.	442.	403.	427.	433.	402.	455.	522.	525.	588.	

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X506	-11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X506	6.	16.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X506	0.	0.	22.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X506	0.	0.	3.	-29.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X506	0.	0.	0.	1.	-5.	13.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X506	3.	0.	0.	1.	8.	25.	11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X506	0.	1.	1.	2.	0.	0.	-36.	10.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	X506	0.	0.	0.	0.	0.	0.	1.	-9.	12.	0.	0.	0.	0.	0.	0.	0.	0.
11	X506	3.	-5.	-7.	7.	3.	-22.	25.	4.	-5.	16.	0.	0.	0.	0.	0.	0.	0.
12	X506	0.	0.	0.	0.	0.	0.	0.	1.	3.	-9.	7.	0.	0.	0.	0.	0.	0.
13	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.	0.	0.	0.
15	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-13.	12.	0.	0.	0.
16	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-12.	20.	0.	0.
17	X506	1.	12.	19.	-18.	3.	16.	1.	6.	10.	7.	7.	0.	2.	0.	20.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X506	2	7.87	36.	7.
X506	3	13.71		
X506	4	2.08		
X506	5	2.25		
X506	6	2.18		
X506	7	0.40		
X506	8	1.22		
X506	9	0.88		
X506	10	0.71		
X506	11	0.50		
X506	12	0.00		
X506	13	0.00		
X506	14	0.00		
X506	15	0.00		
X506	16	0.00		
X506	17	7.63		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X506	357.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	X506	357.	340.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	X506	345.	340.	417.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	X506	322.	365.	446.	485.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	X506	357.	368.	438.	509.	431.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	X506	357.	368.	441.	480.	428.	436.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	X506	357.	368.	441.	481.	423.	448.	492.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	X506	360.	368.	441.	482.	431.	472.	504.	467.	0.	0.	0.	0.	0.	0.	0.	0.	
9	X506	360.	369.	442.	484.	431.	472.	467.	477.	389.	0.	0.	0.	0.	0.	0.	0.	
10	X506	360.	369.	442.	484.	431.	472.	468.	468.	401.	396.	0.	0.	0.	0.	0.	0.	
11	X506	363.	364.	435.	491.	434.	451.	493.	472.	396.	412.	405.	0.	0.	0.	0.	0.	
12	X506	363.	364.	435.	491.	434.	451.	493.	473.	399.	403.	412.	386.	0.	0.	0.	0.	
13	X506	363.	364.	435.	491.	434.	451.	493.	473.	399.	403.	412.	386.	500.	0.	0.	0.	
14	X506	363.	364.	435.	491.	434.	451.	493.	473.	399.	403.	412.	386.	516.	591.	0.	0.	
15	X506	363.	364.	435.	491.	434.	451.	493.	473.	399.	403.	412.	386.	501.	605.	470.	0.	
16	X506	359.	353.	434.	472.	445.	446.	477.	463.	411.	416.	425.	398.	496.	572.	489.	563.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	X506	-12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	X506	-24.	26.	30.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	X506	35.	3.	-8.	25.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	X506	0.	0.	3.	-29.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	X506	0.	0.	0.	1.	-5.	12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	X506	3.	0.	0.	1.	8.	24.	11.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
9	X506	0.	1.	1.	2.	0.	0.	-37.	11.	0.	0.	0.	0.	0.	0.	0.	0.	
10	X506	0.	0.	0.	0.	0.	0.	1.	-10.	12.	0.	0.	0.	0.	0.	0.	0.	
11	X506	3.	-6.	-7.	7.	3.	-21.	26.	4.	-5.	15.	0.	0.	0.	0.	0.	0.	
12	X506	0.	0.	0.	0.	0.	0.	0.	1.	3.	-8.	7.	0.	0.	0.	0.	0.	
13	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
14	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	0.	0.	0.	
15	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-14.	14.	0.	0.	
16	X506	-4.	-10.	-1.	-19.	11.	-5.	-16.	-10.	12.	13.	13.	12.	-5.	-33.	19.	0.	
17	X506	2.	14.	17.	-13.	14.	10.	-15.	-4.	22.	20.	19.	12.	-4.	-19.	19.	0.	

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X506	2	11.58	37.	7.
X506	3	15.07		
X506	4	3.96		
X506	5	6.23		
X506	6	3.24		
X506	7	1.69		
X506	8	2.63		
X506	9	2.10		
X506	10	3.14		
X506	11	1.39		
X506	12	2.23		
X506	13	4.81		
X506	14	0.32		
X506	15	5.17		
X506	16	4.04		
X506	17	12.81		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
1	X506	352.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	X506	352.	344.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	X506	348.	349.	392.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	X506	357.	368.	418.	510.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	X506	357.	368.	423.	510.	445.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	X506	357.	368.	419.	483.	439.	438.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	X506	357.	369.	421.	485.	442.	450.	484.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	X506	360.	370.	423.	486.	449.	468.	494.	469.	0.	0.	0.	0.	0.	0.	0.	0.	
9	X506	361.	371.	427.	485.	448.	464.	462.	467.	396.	0.	0.	0.	0.	0.	0.	0.	
10	X506	361.	370.	425.	484.	445.	461.	460.	457.	411.	408.	0.	0.	0.	0.	0.	0.	
11	X506	363.	365.	421.	491.	447.	447.	477.	461.	408.	419.	414.	0.	0.	0.	0.	0.	
12	X506	365.	364.	420.	493.	448.	447.	477.	461.	409.	412.	417.	398.	0.	0.	0.	0.	
13	X506	354.	366.	423.	492.	448.	446.	477.	461.	411.	415.	422.	399.	486.	0.	0.	0.	
14	X506	359.	345.	424.	492.	447.	448.	478.	464.	412.	418.	427.	399.	508.	557.	0.	0.	
15	X506	357.	351.	433.	491.	446.	447.	477.	463.	411.	416.	424.	397.	492.	580.	470.	0.	
16	X506	360.	354.	435.	473.	446.	447.	478.	464.	412.	417.	426.	399.	497.	573.	491.	564.	

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	
2	X506	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	X506	-4.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	X506	9.	19.	26.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	X506	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	X506	0.	0.	-4.	-27.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	X506	0.	1.	2.	2.	3.	12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	X506	3.	1.	2.	1.	7.	18.	10.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
9	X506	1.	1.	4.	-1.	-1.	-4.	-32.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	
10	X506	0.	-1.	-2.	-1.	-3.	-3.	-2.	-10.	15.	0.	0.	0.	0.	0.	0.	0.	
11	X506	2.	-5.	-4.	7.	2.	-14.	17.	4.	-3.	11.	0.	0.	0.	0.	0.	0.	
12	X506	2.	-1.	-1.	2.	1.	0.	0.	0.	1.	-7.	3.	0.	0.	0.	0.	0.	
13	X506	-11.	2.	3.	-1.	0.	-1.	0.	0.	2.	3.	5.	1.	0.	0.	0.	0.	
14	X506	5.	-21.	1.	0.	-1.	2.	1.	3.	1.	3.	5.	0.	22.	0.	0.	0.	
15	X506	-2.	6.	9.	-1.	-1.	-1.	-1.	-1.	-1.	-2.	-3.	-2.	-16.	23.	0.	0.	
16	X506	3.	3.	2.	-18.	0.	0.	1.	1.	1.	1.	2.	2.	5.	-7.	21.	0.	
17	X506	8.	10.	43.	-37.	1.	9.	-6.	-5.	16.	9.	12.	1.	11.	16.	21.	0.	

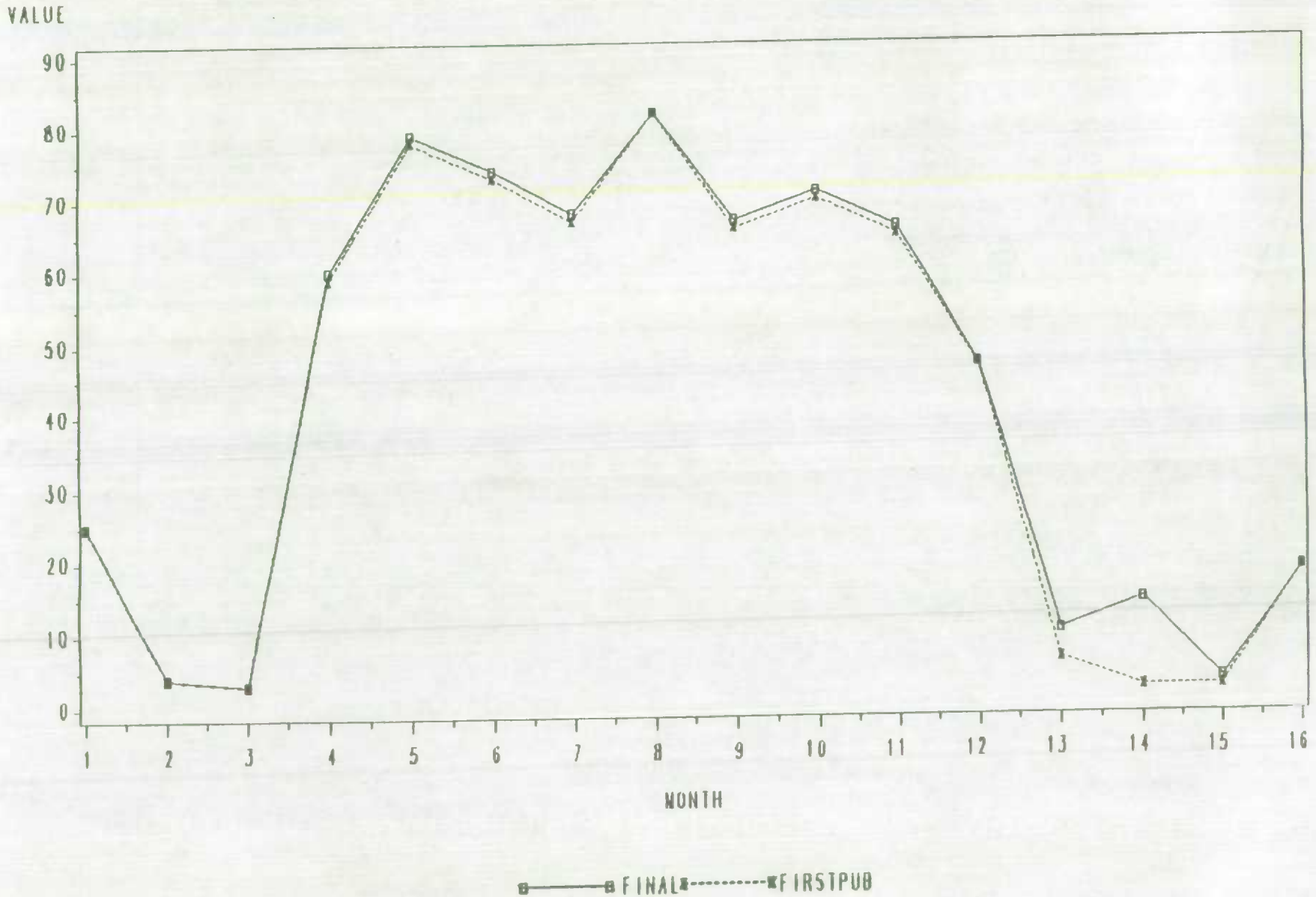
IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X506	2	10.47	32.	6.
X506	3	11.14		
X506	4	3.69		
X506	5	2.83		
X506	6	2.36		
X506	7	1.30		
X506	8	2.00		
X506	9	1.50		
X506	10	1.43		
X506	11	1.17		
X506	12	1.20		
X506	13	14.75		
X506	14	4.33		
X506	15	2.50		
X506	16	3.00		
X506	17	12.81		

APPENDIX "B"

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

IDENTX=M302



FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991

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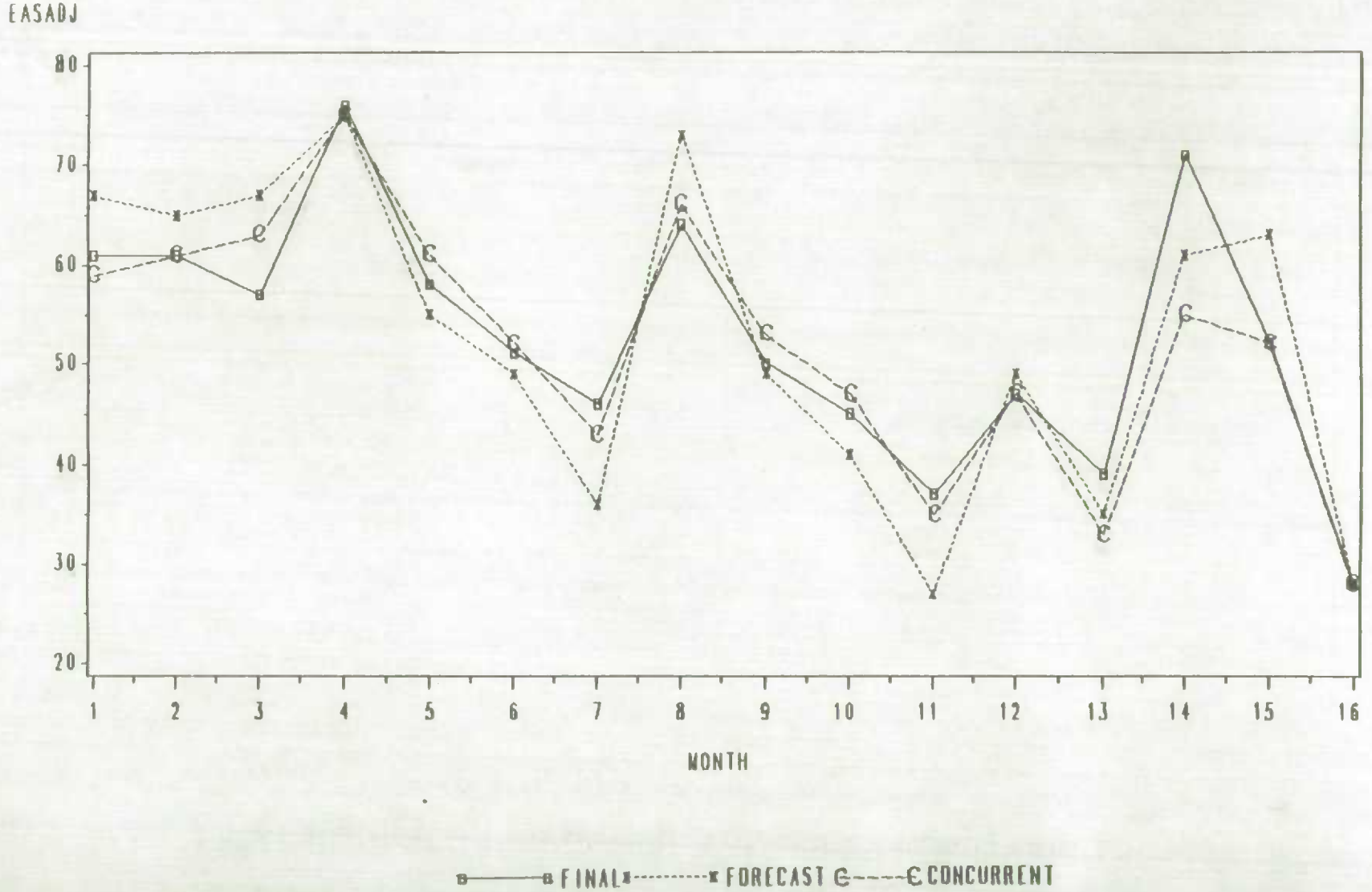

FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991
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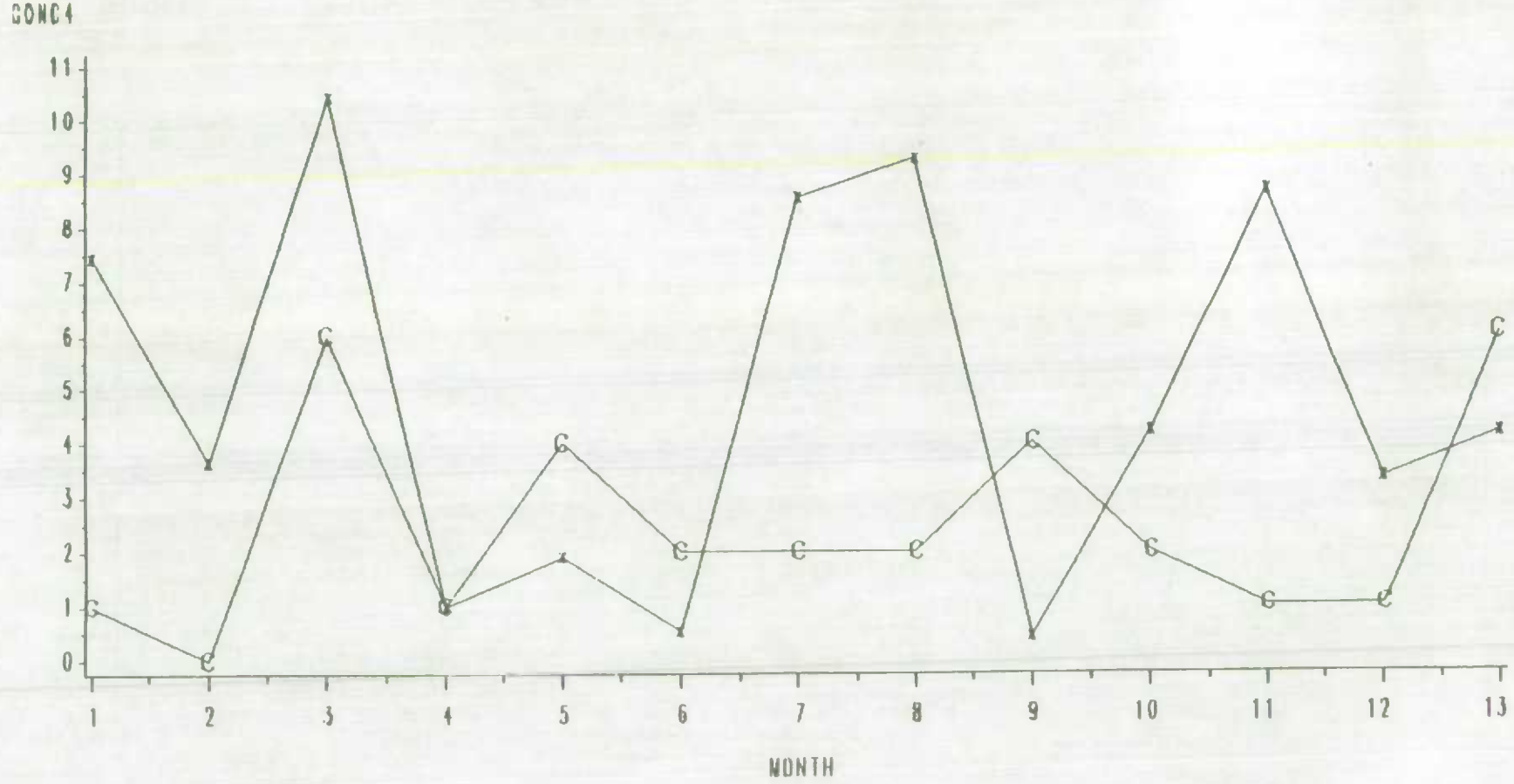

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

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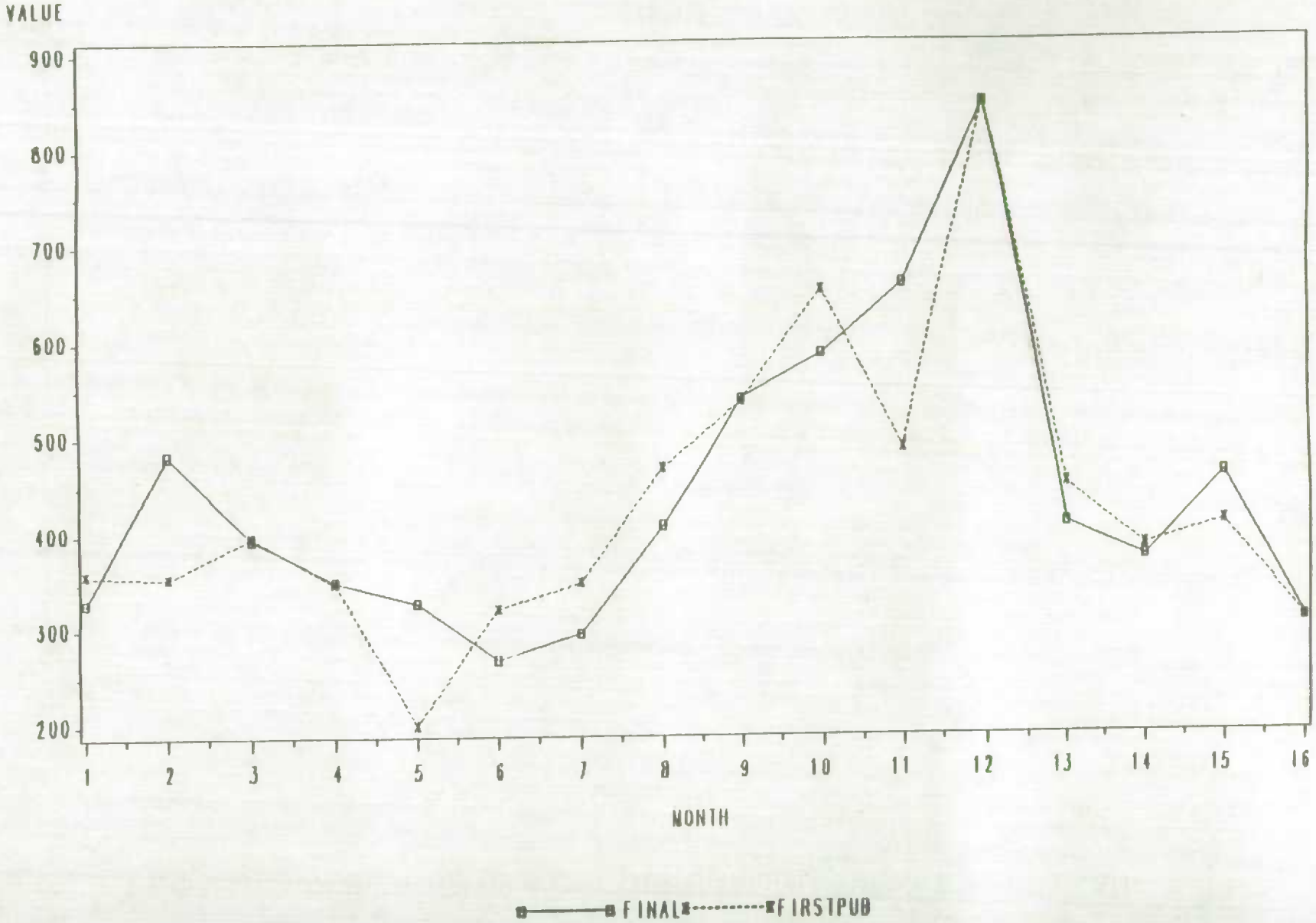

FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991
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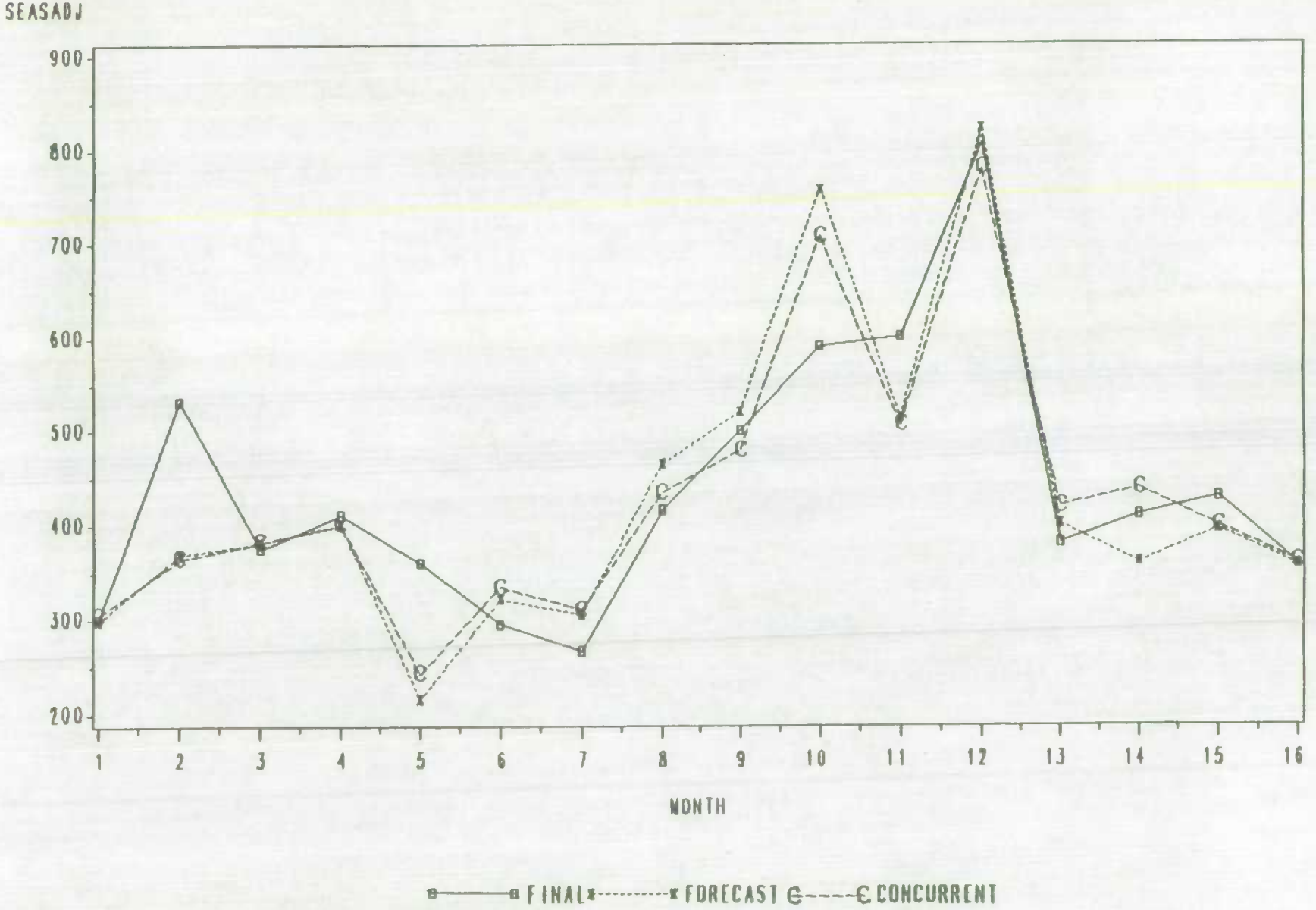

FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991

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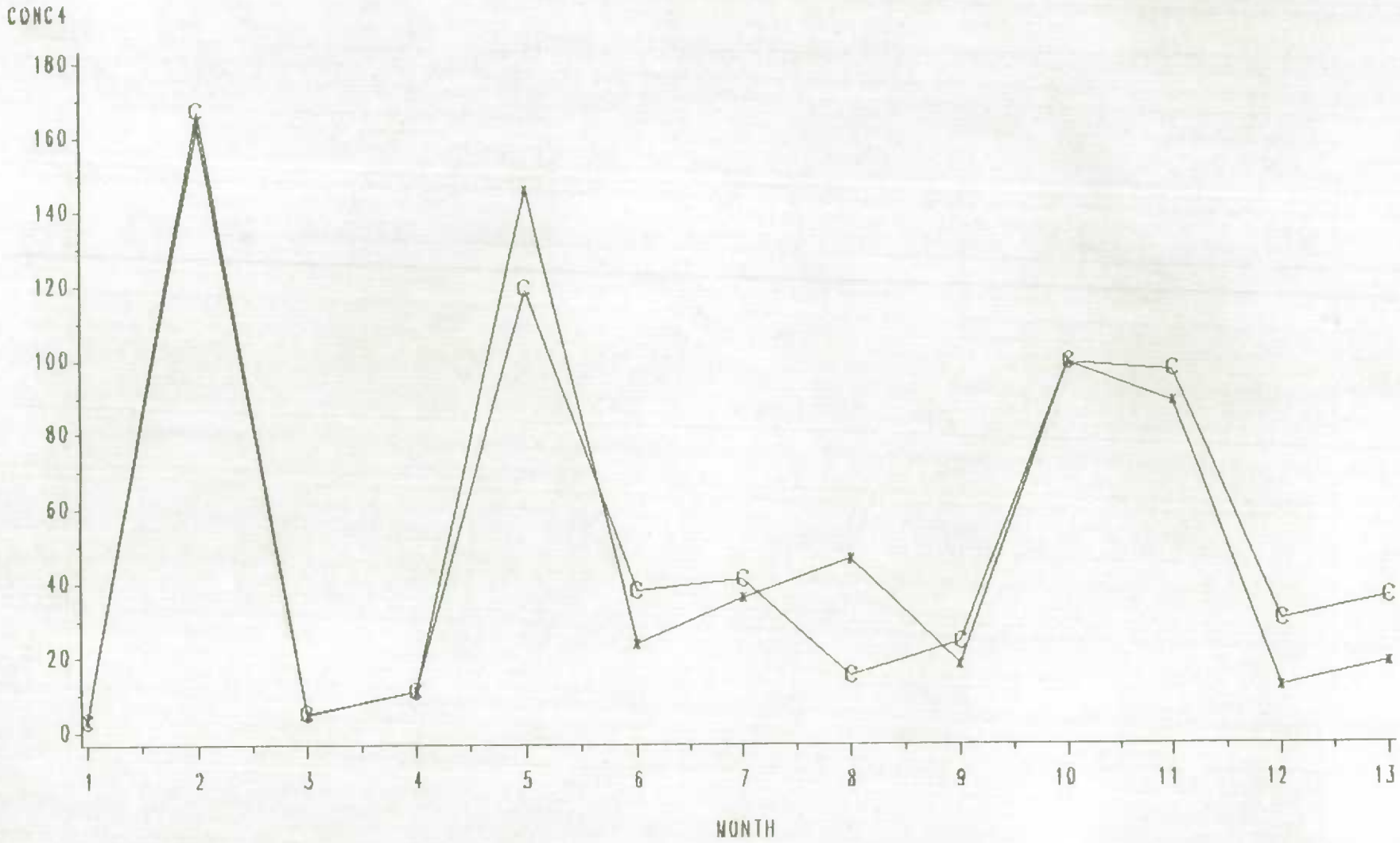

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

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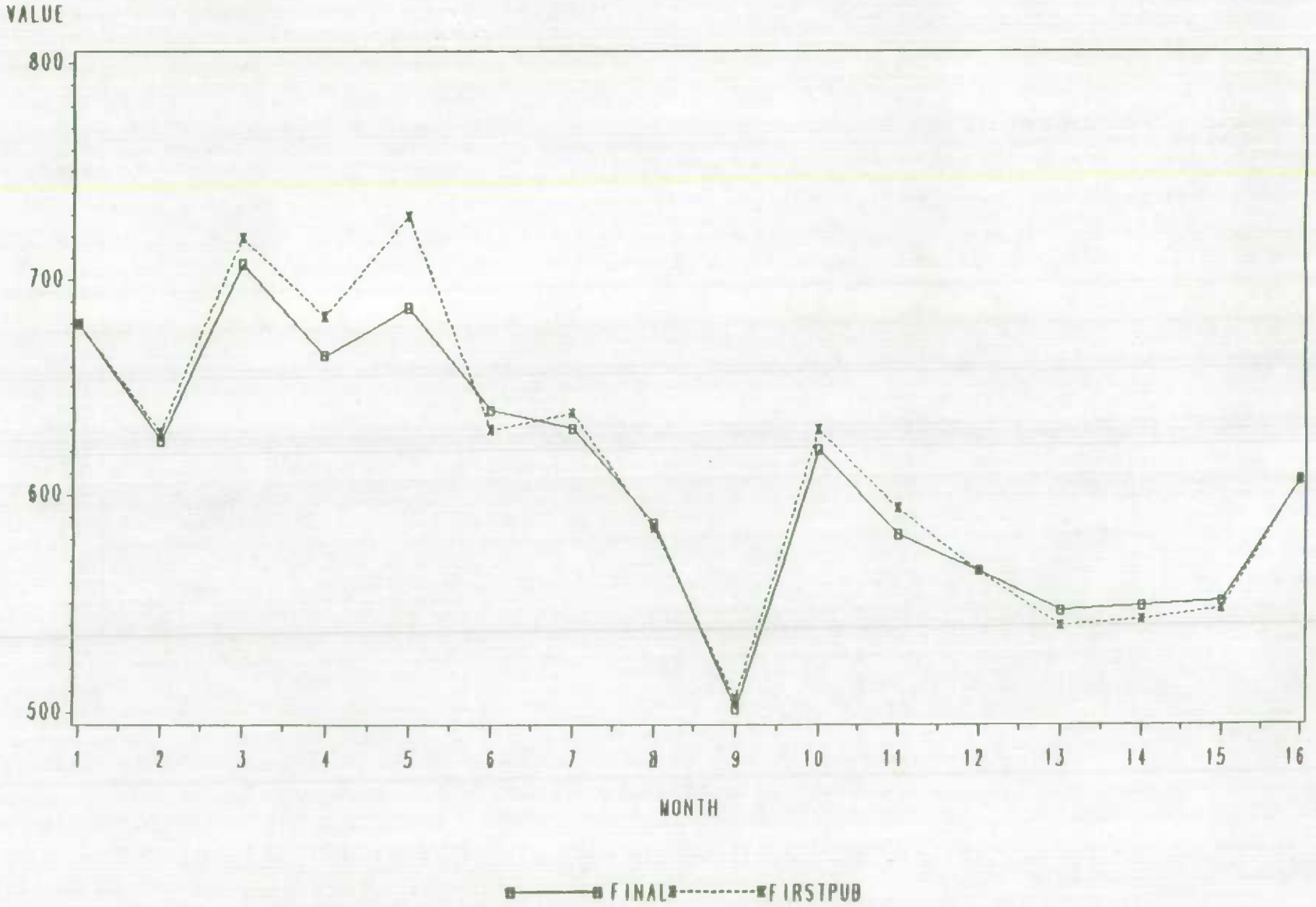

FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991
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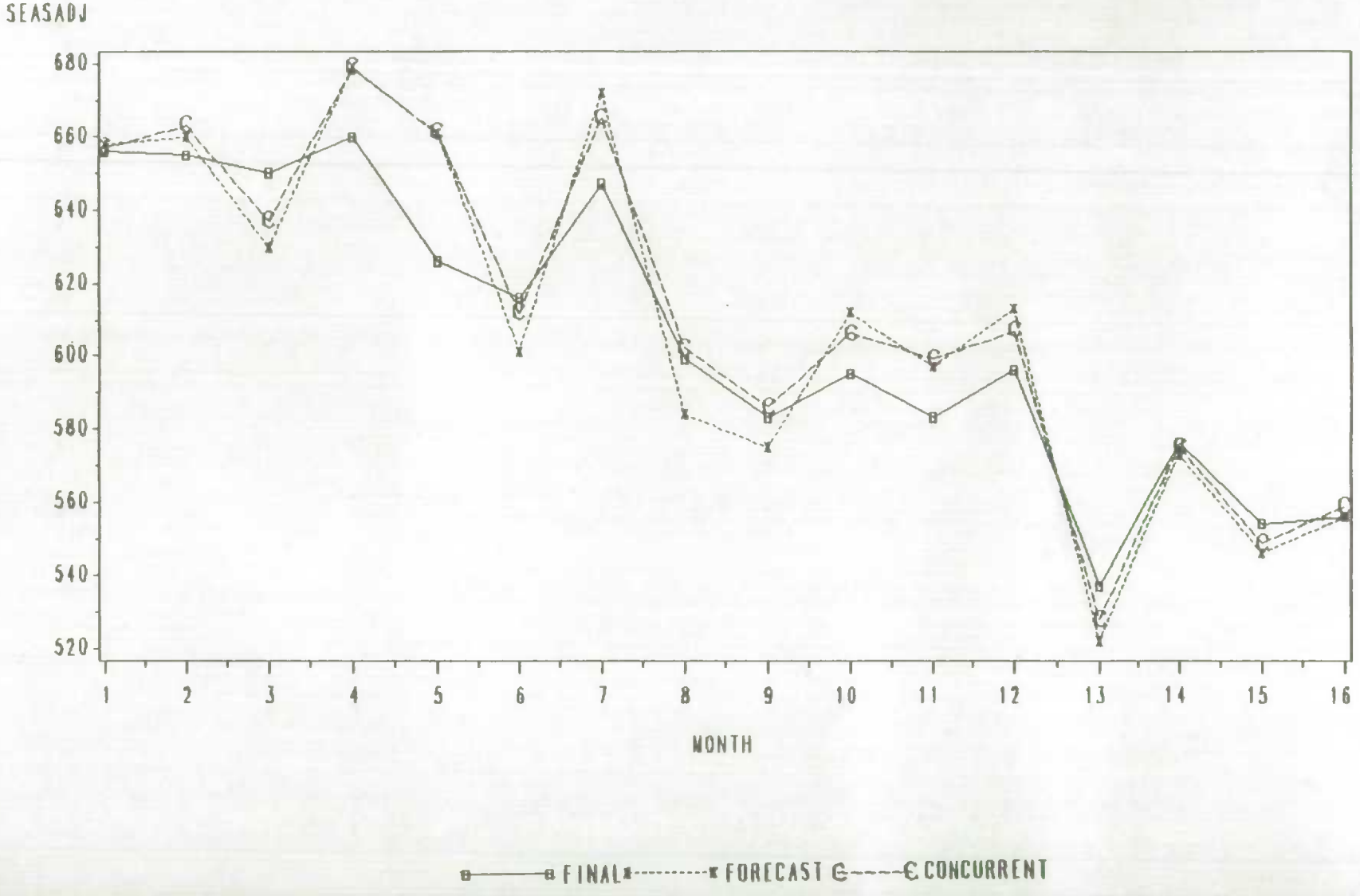

FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991
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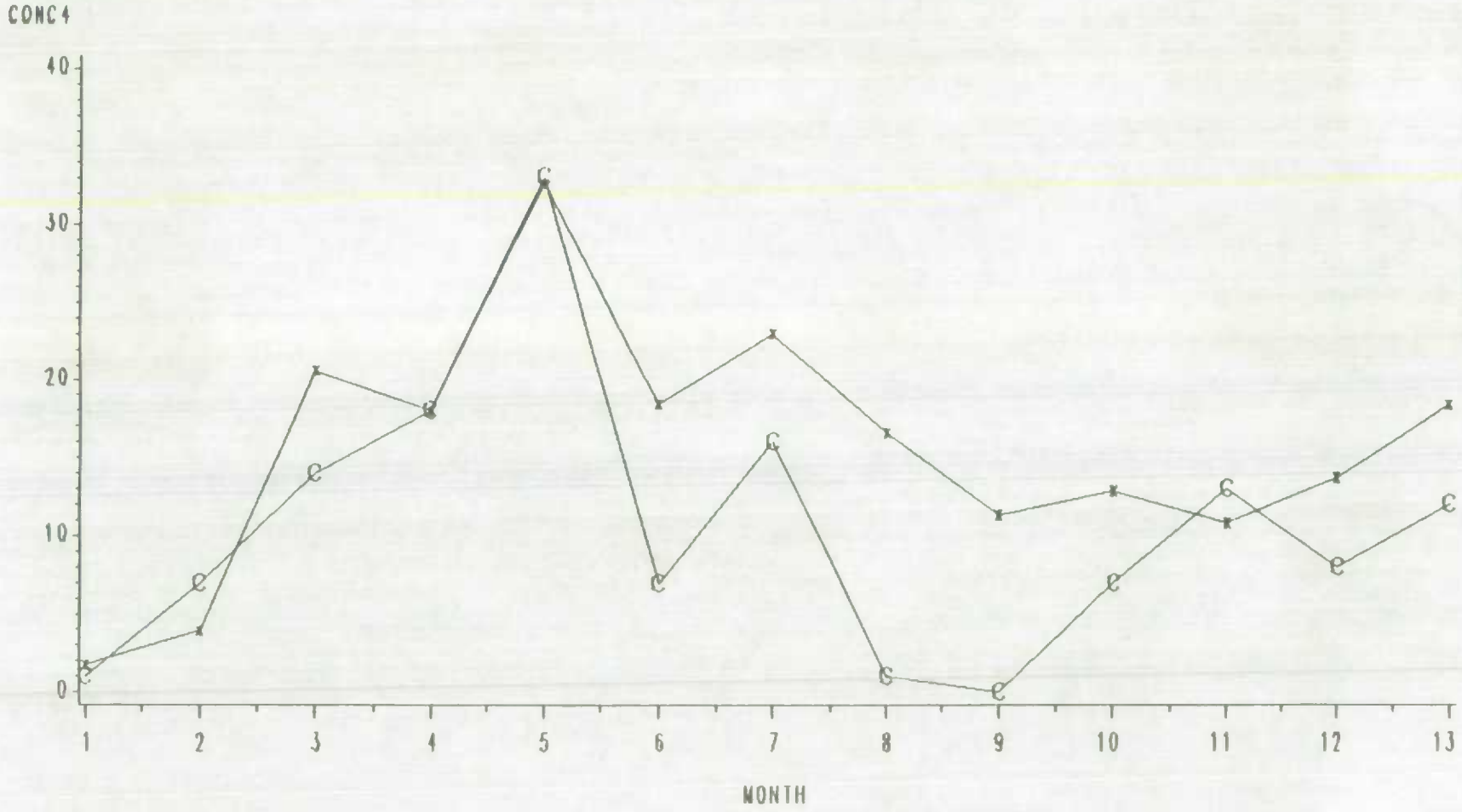

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

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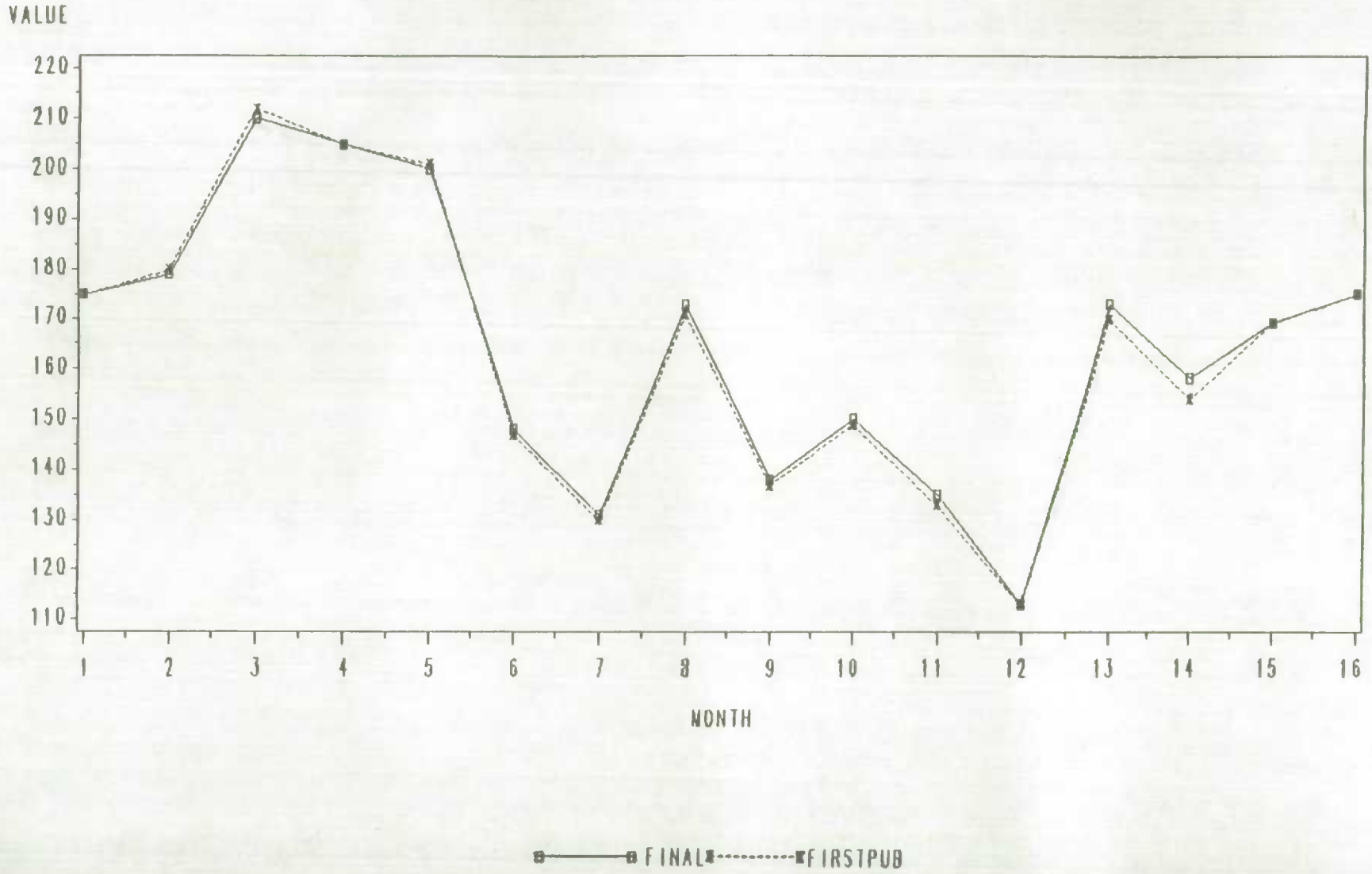

FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991
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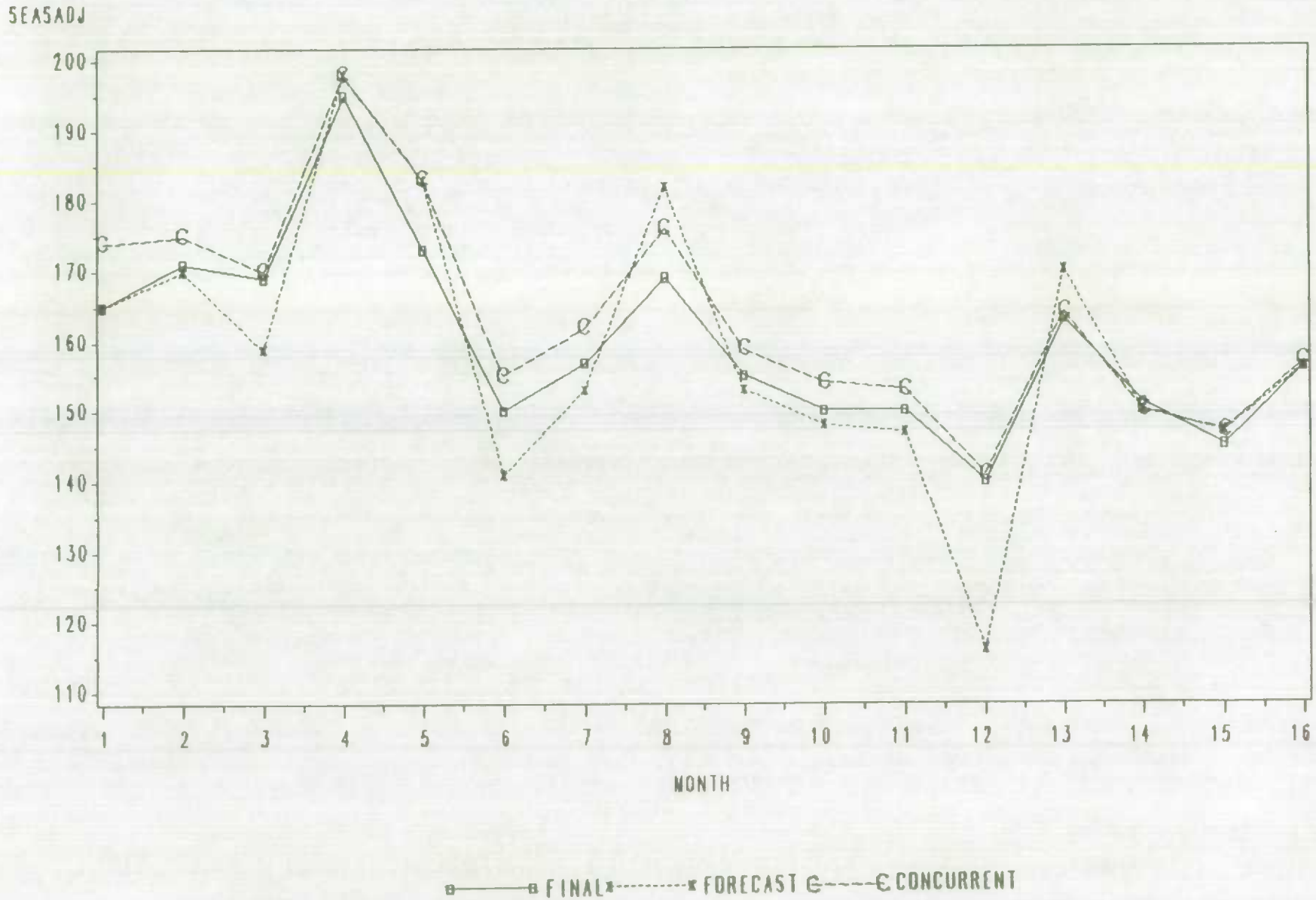

FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991
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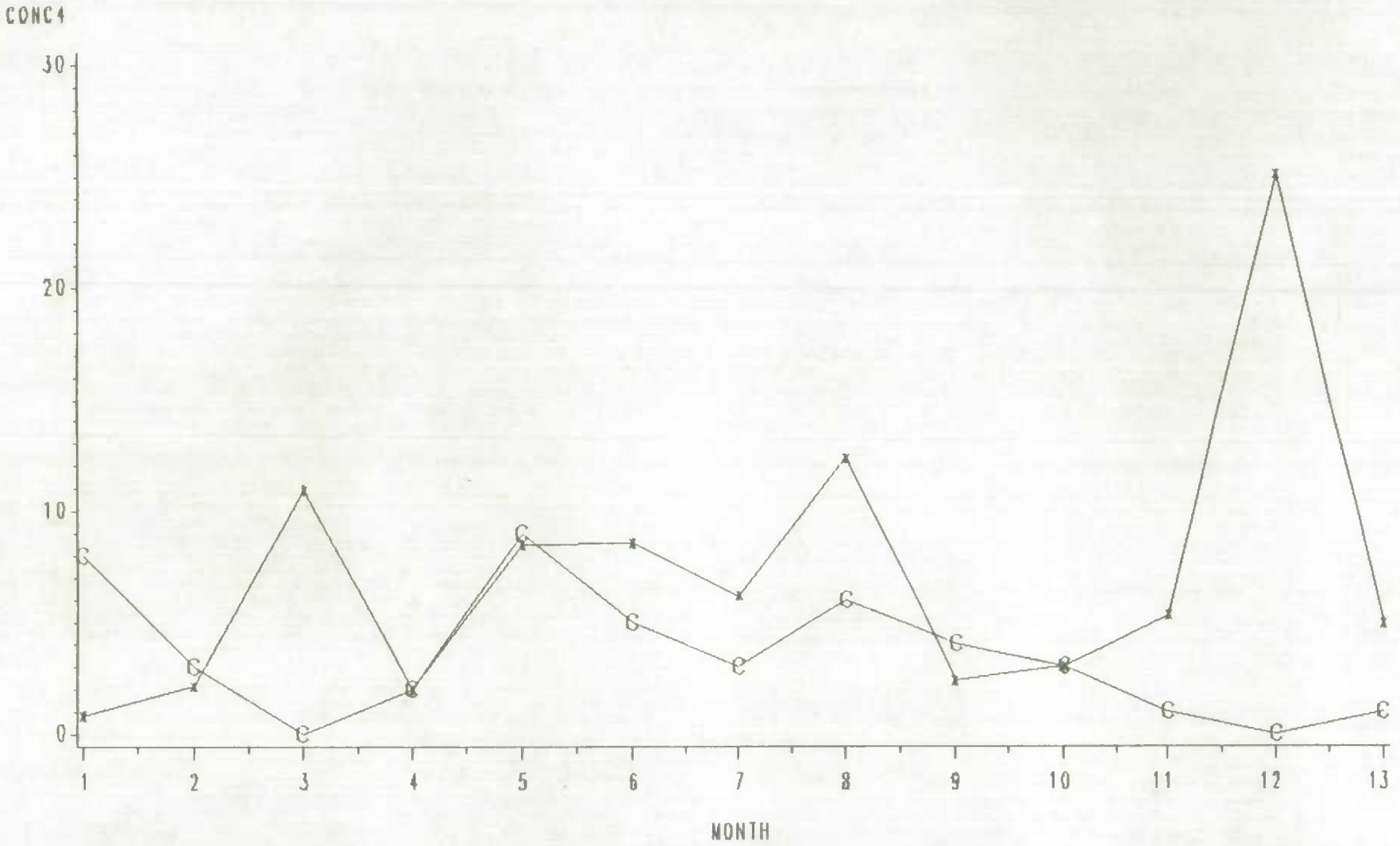

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

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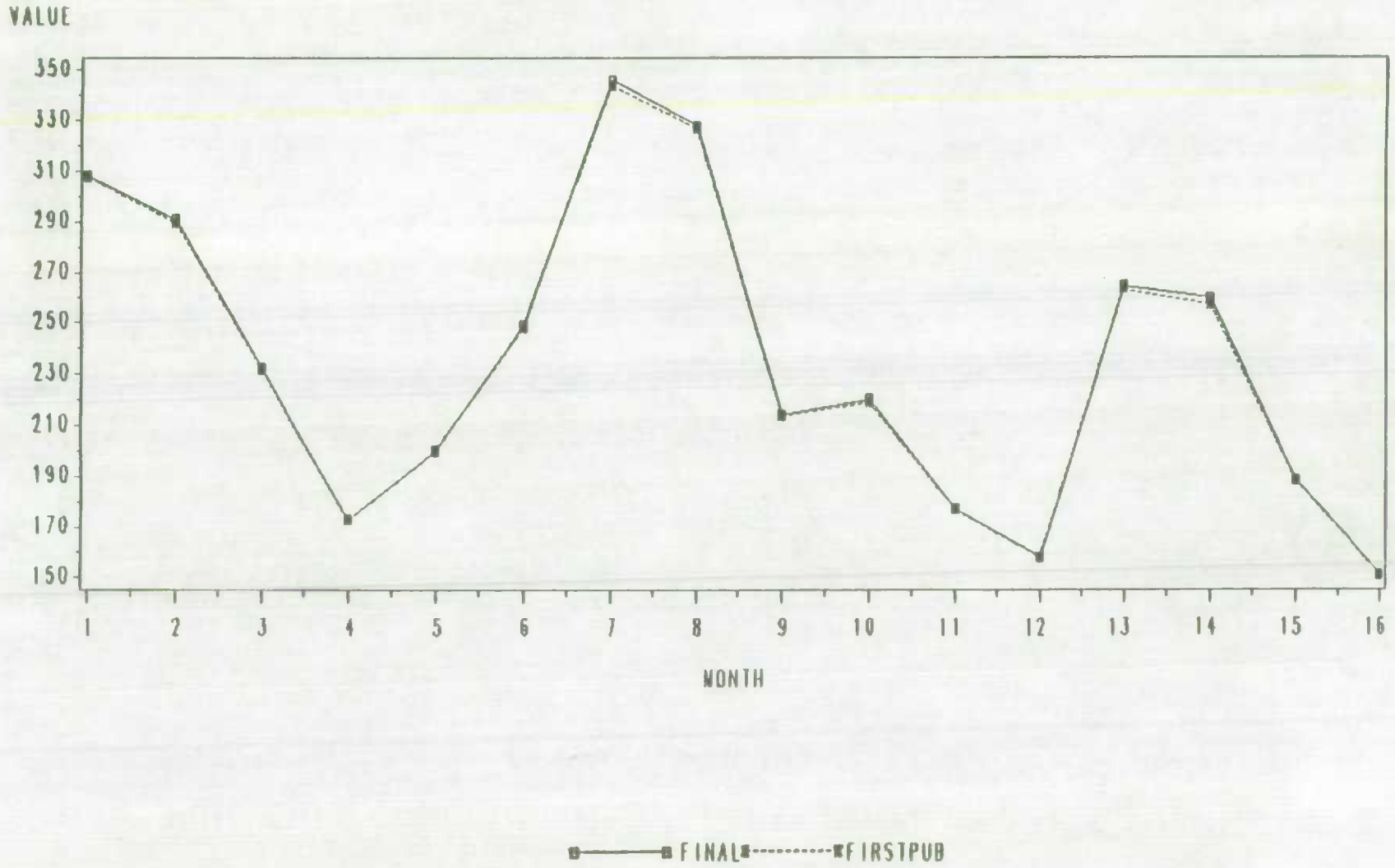
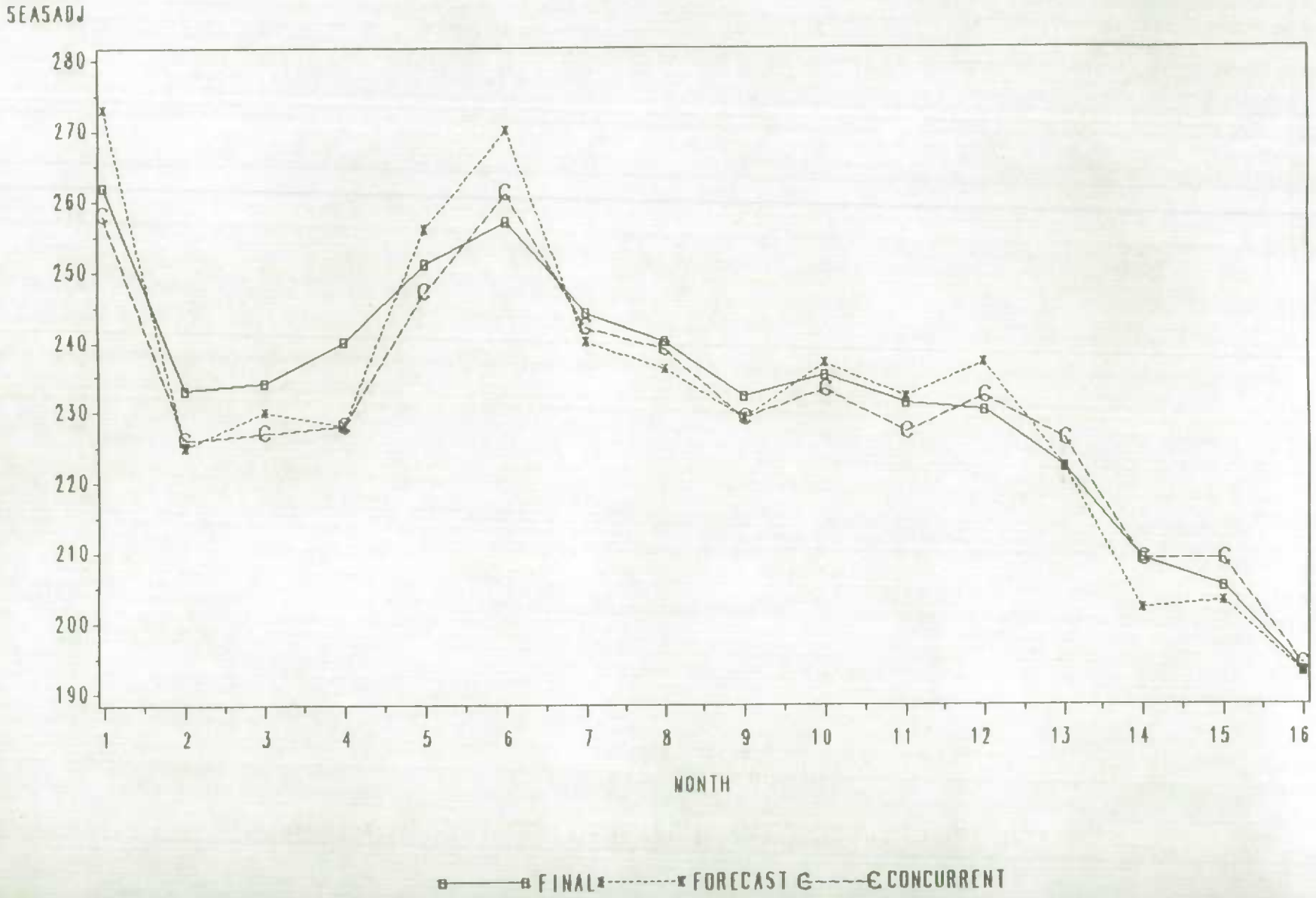


FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991

IDENTX=M516



FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991
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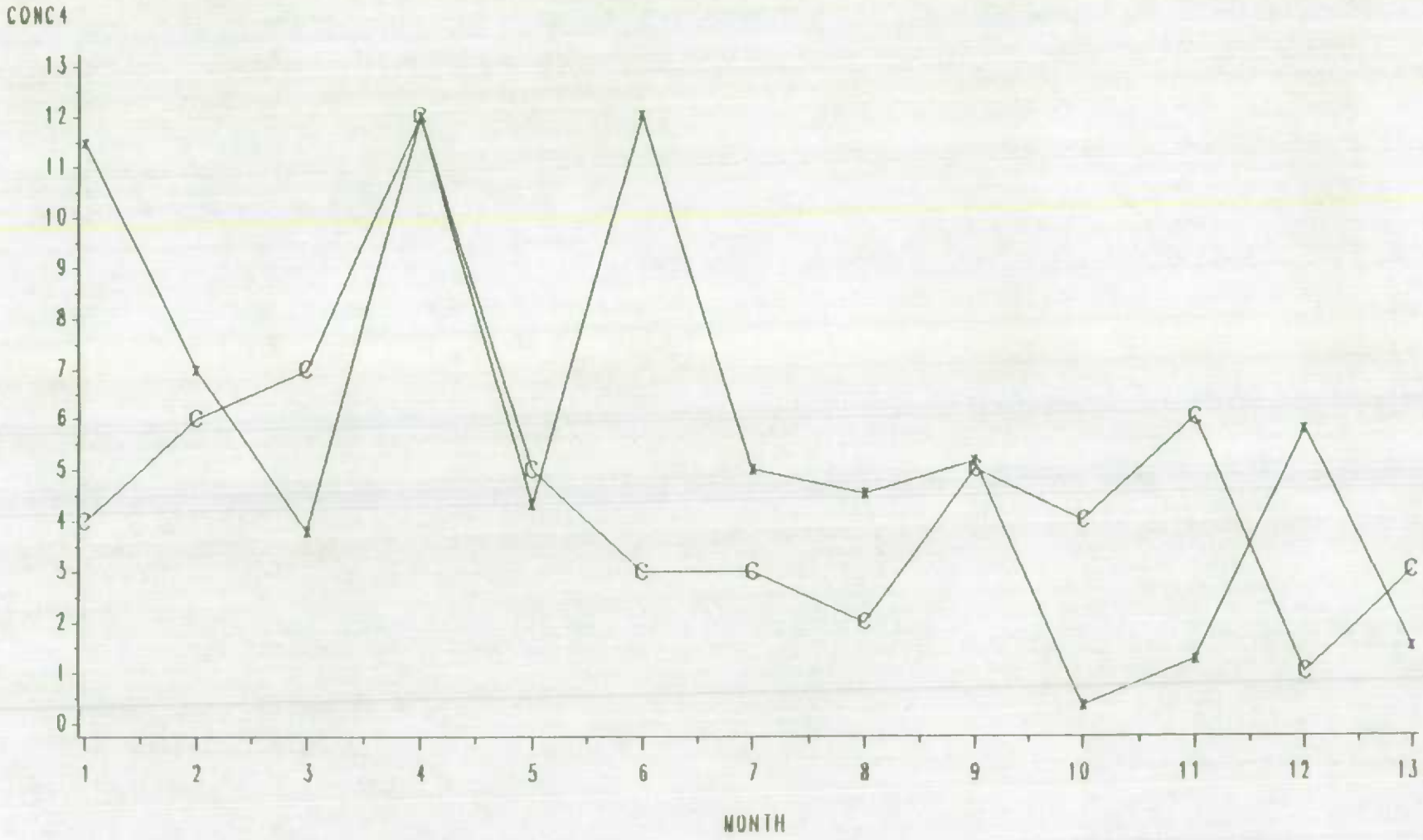

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

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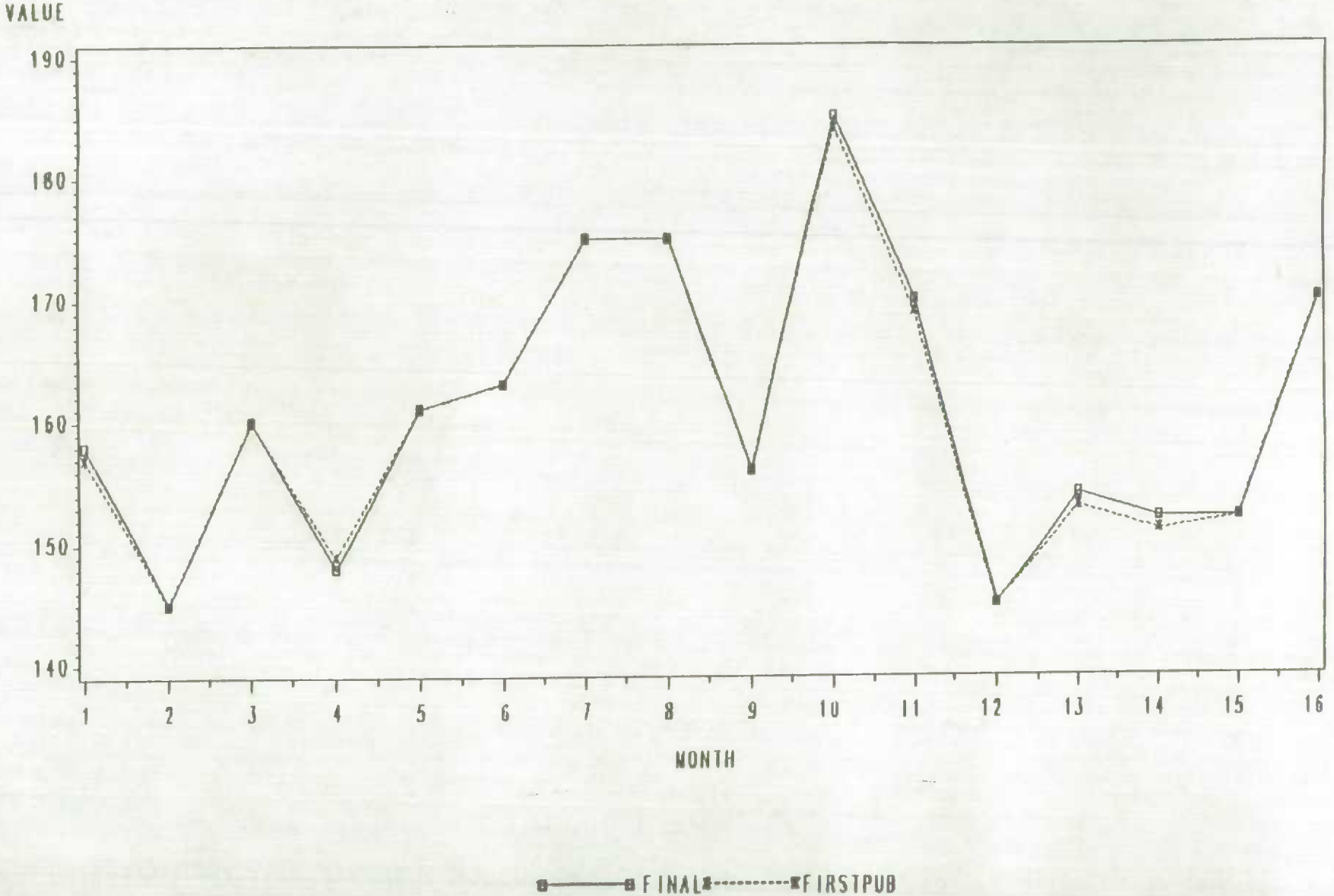

FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991

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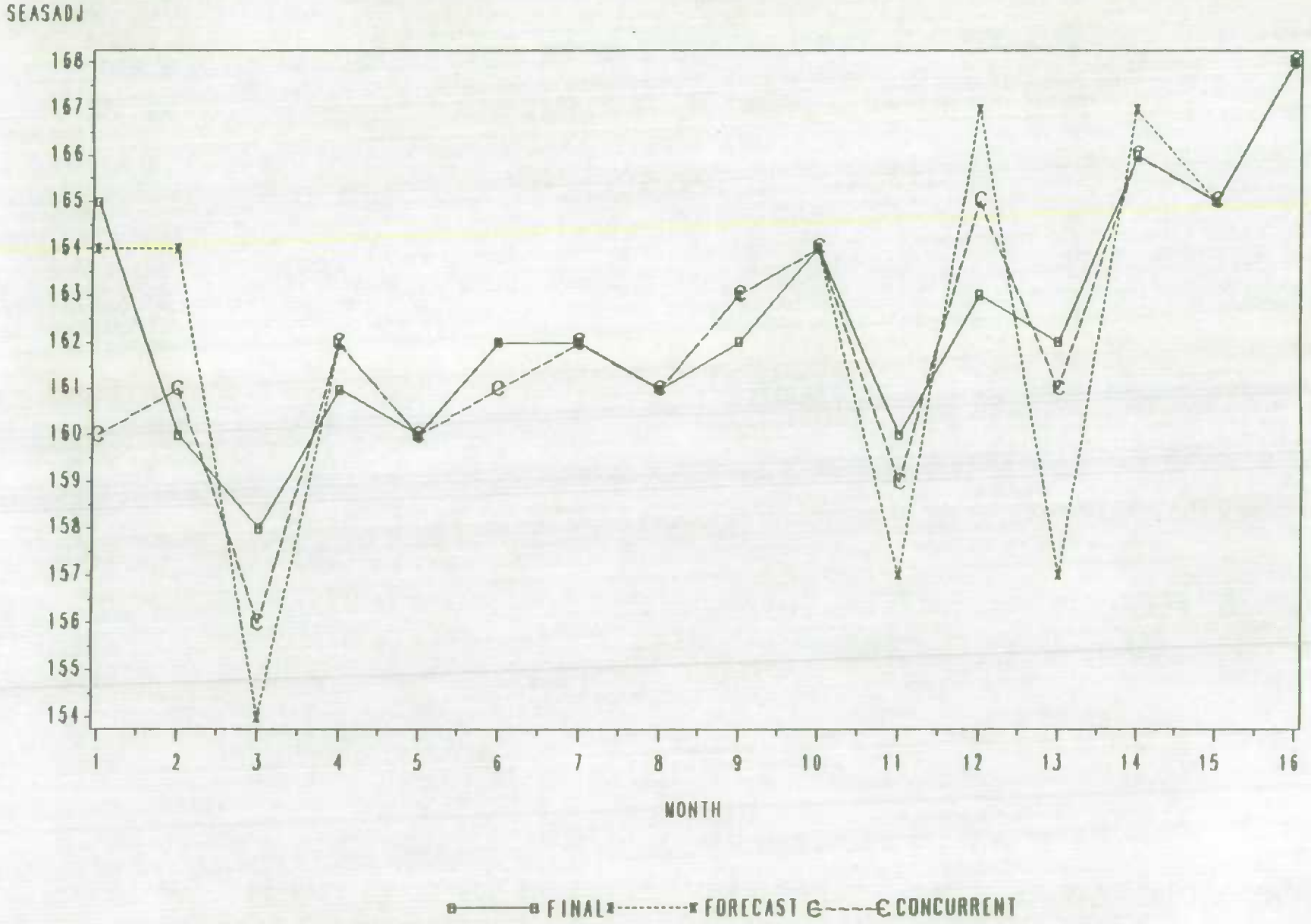

FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991

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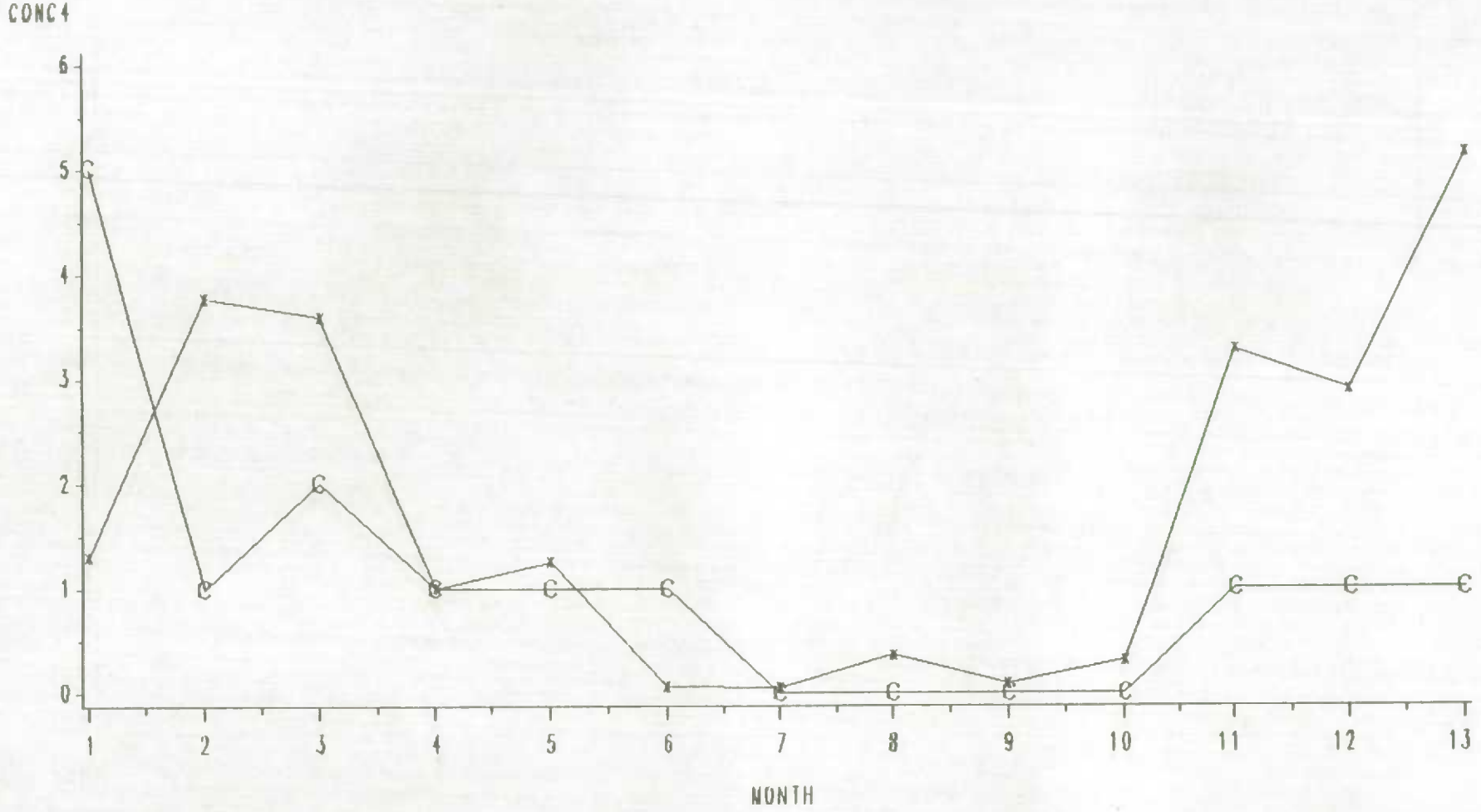

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991
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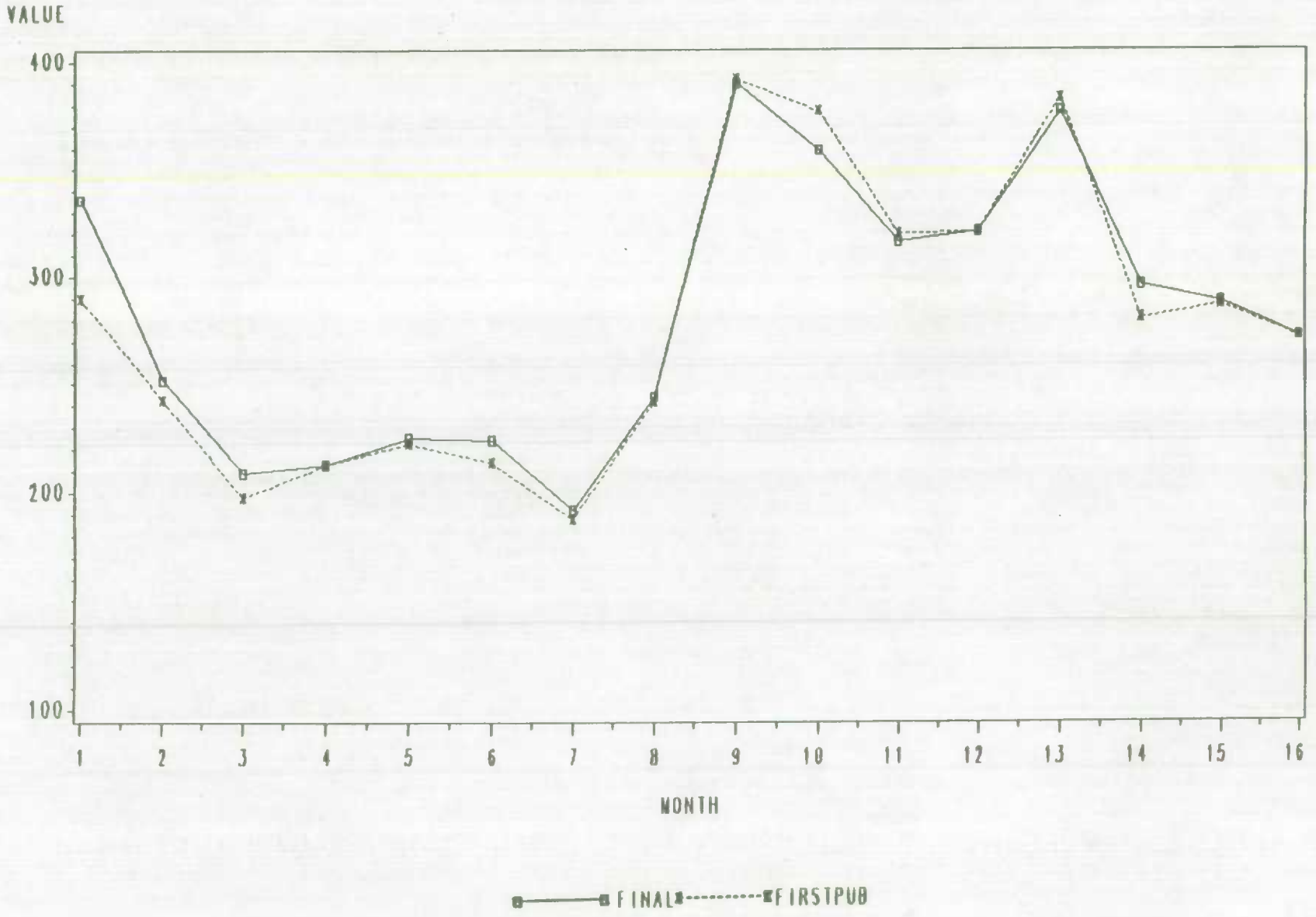
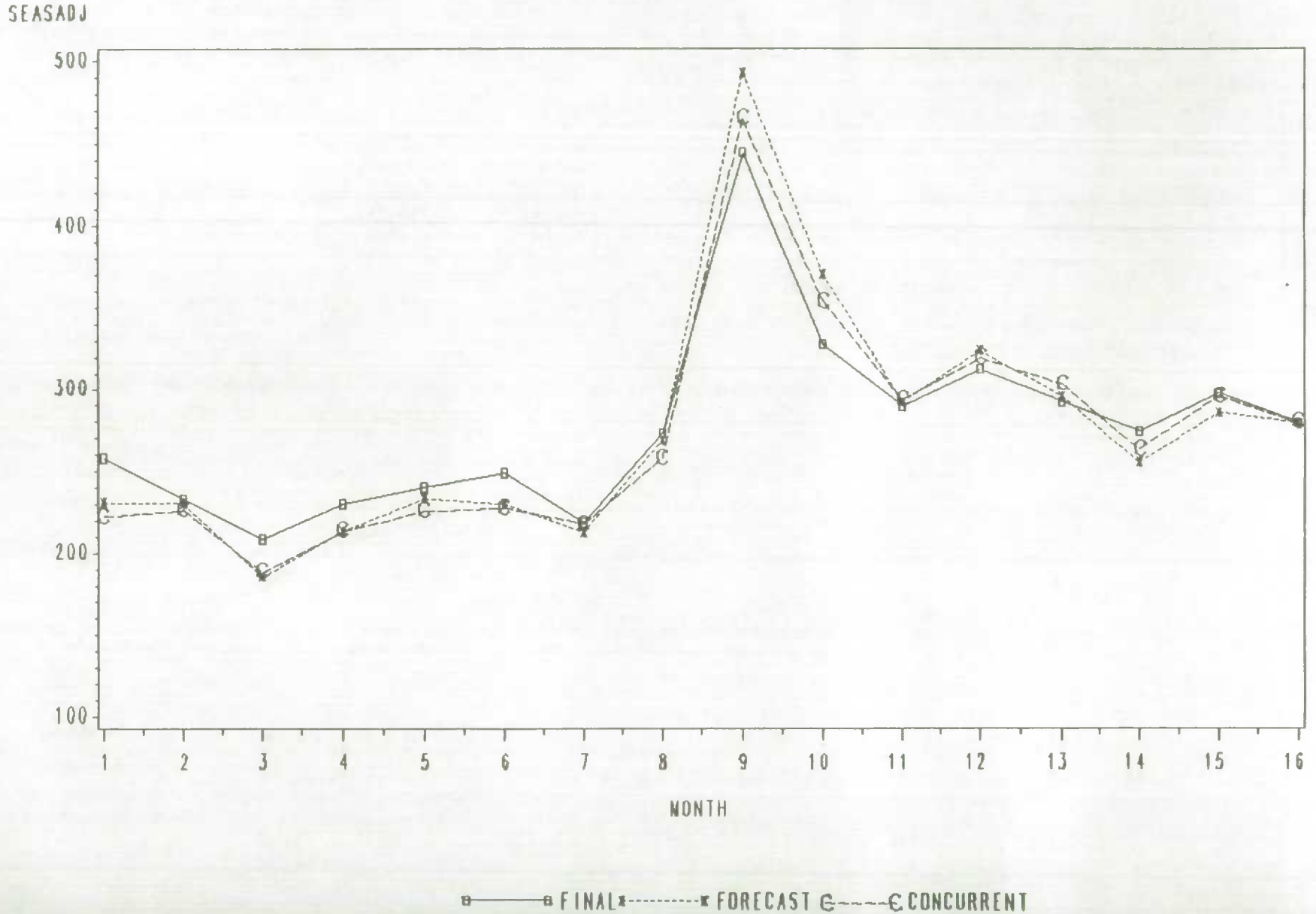


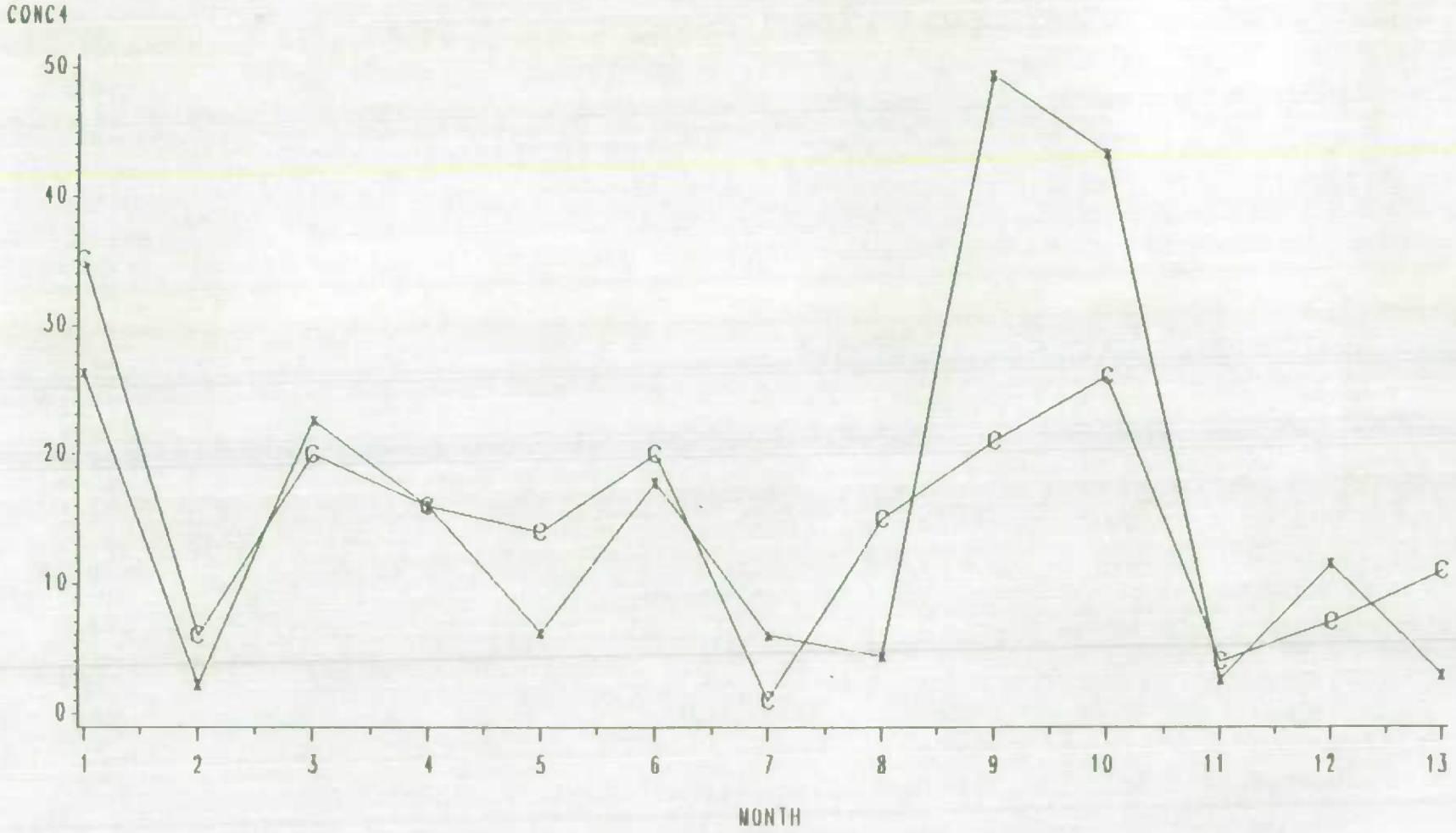
FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991
IDENTX=X411



FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

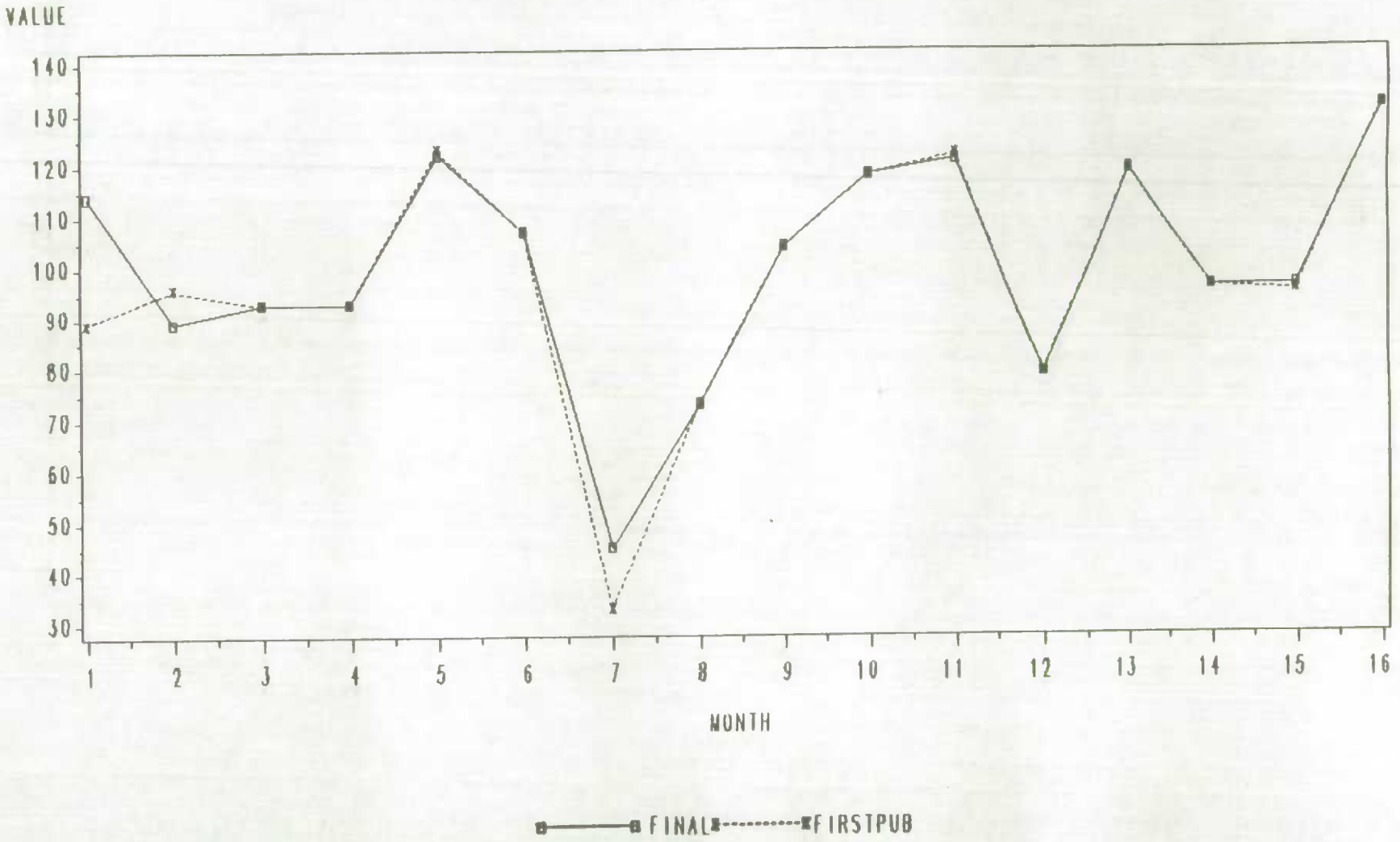
JAN 1990 JAN 1991
IDSER=X411



FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

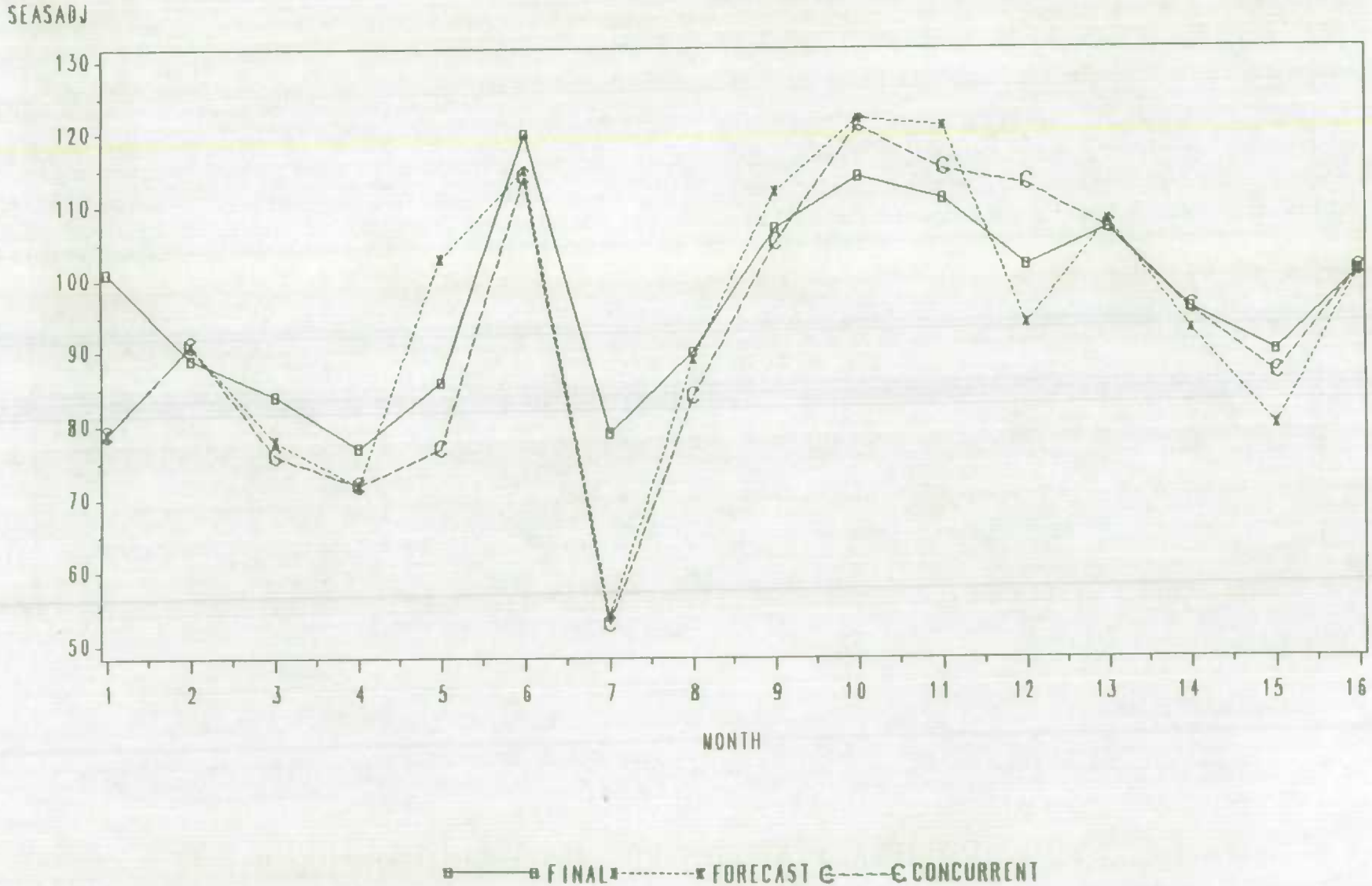
IDENTX=X417



FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991

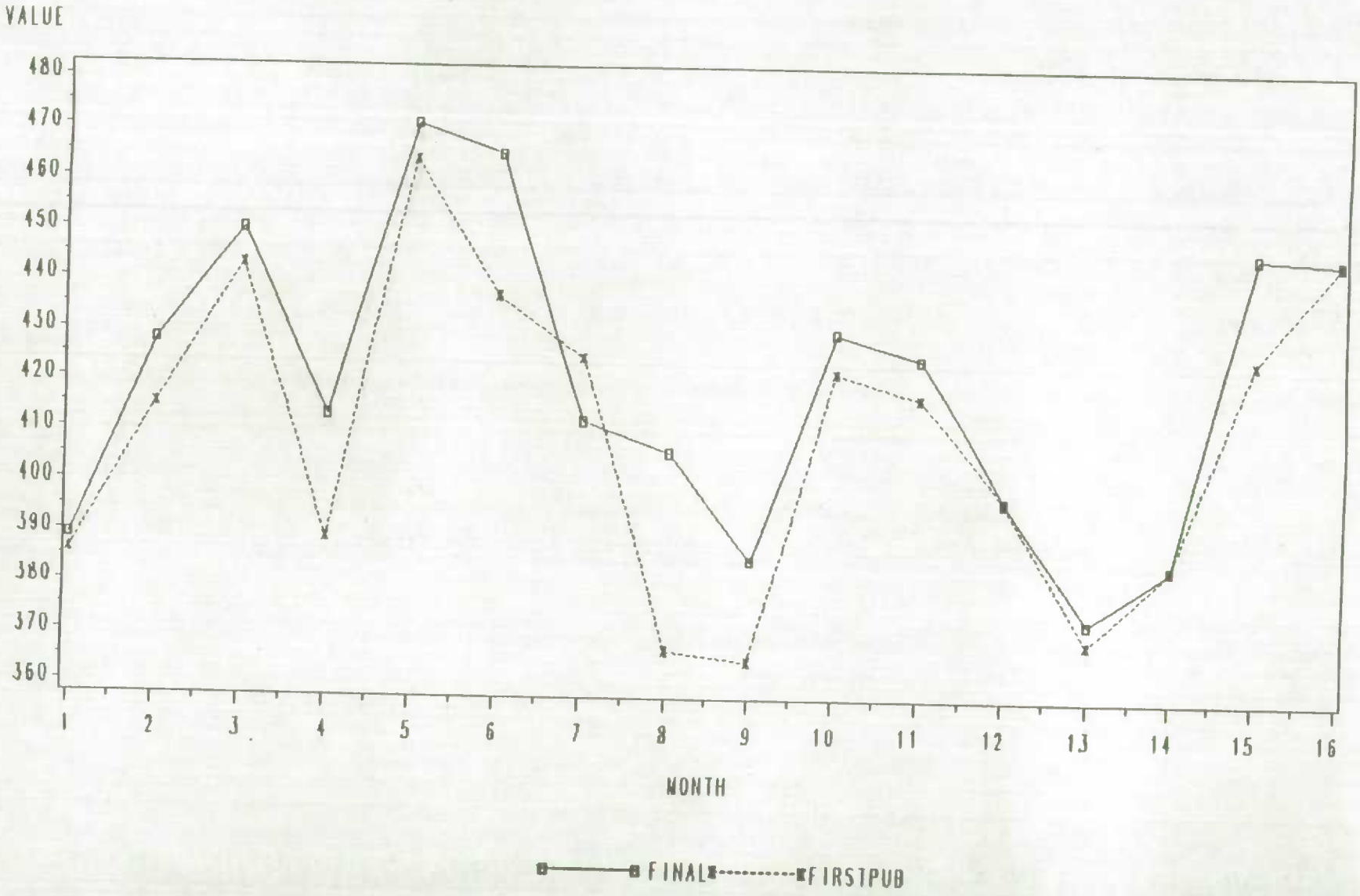
IDENTX=X417



FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

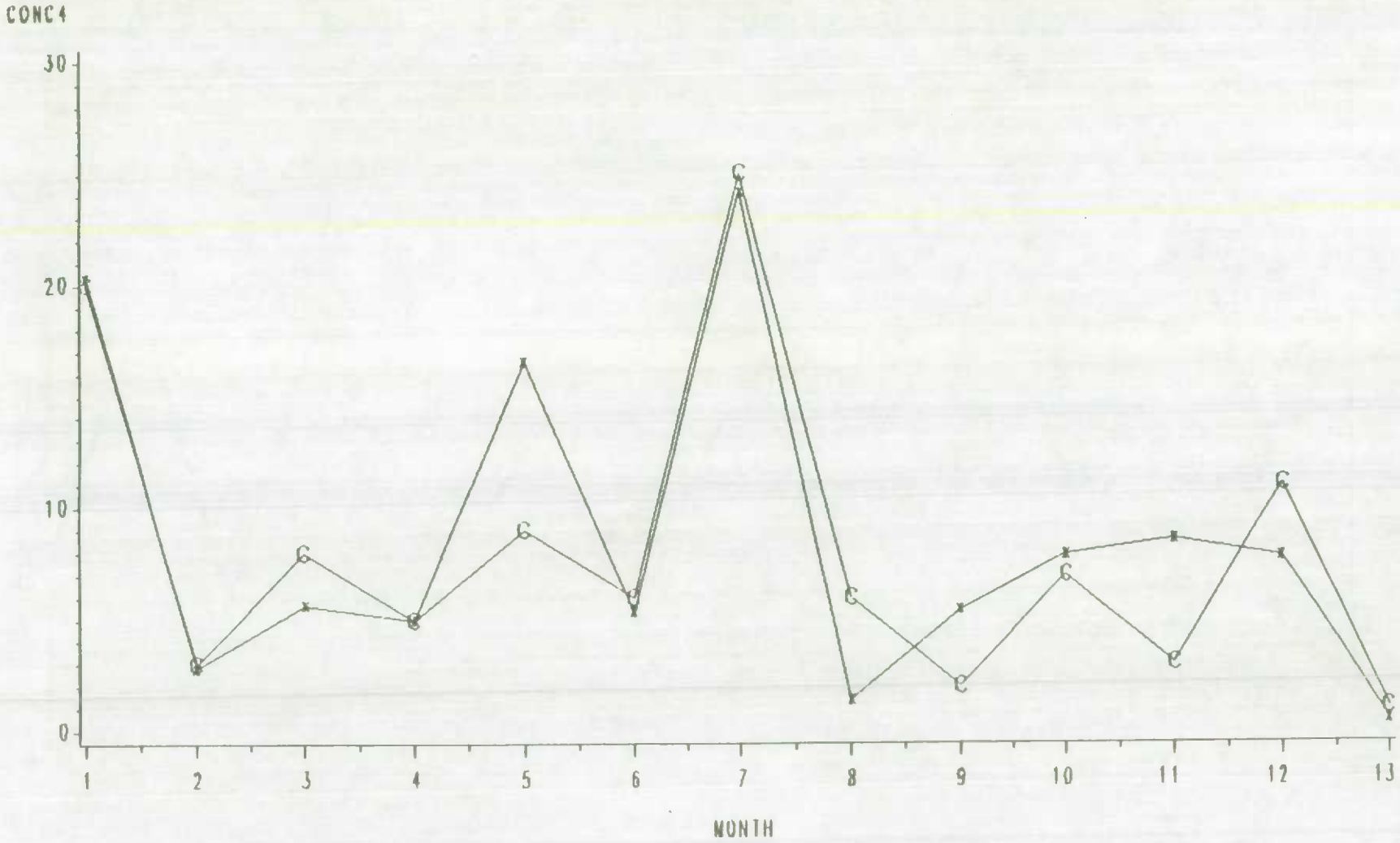
JAN 1990 TO APR 1991

IDENTX=X501



FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

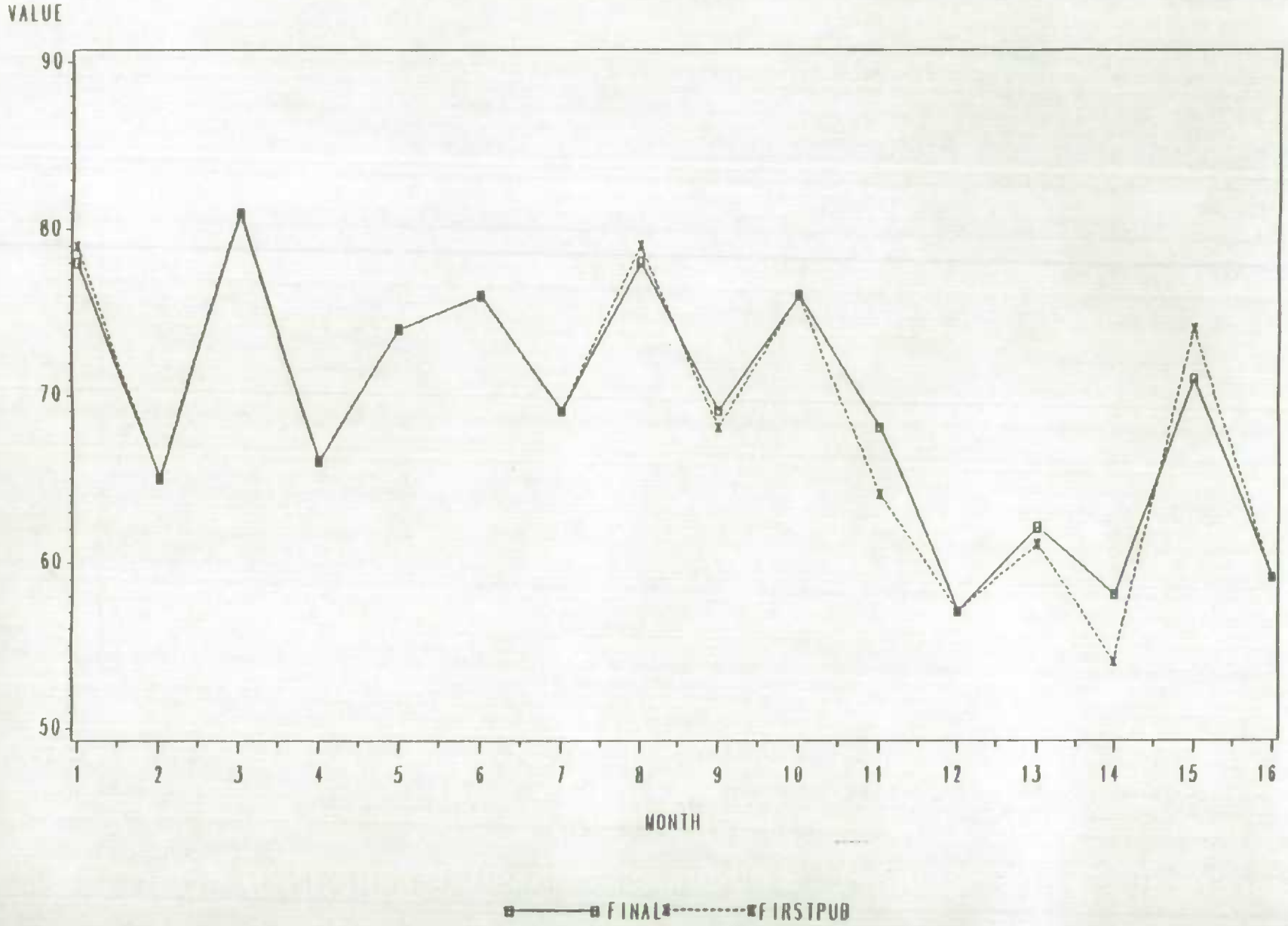
JAN 1990 JAN 1991
IDSER=X417



FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

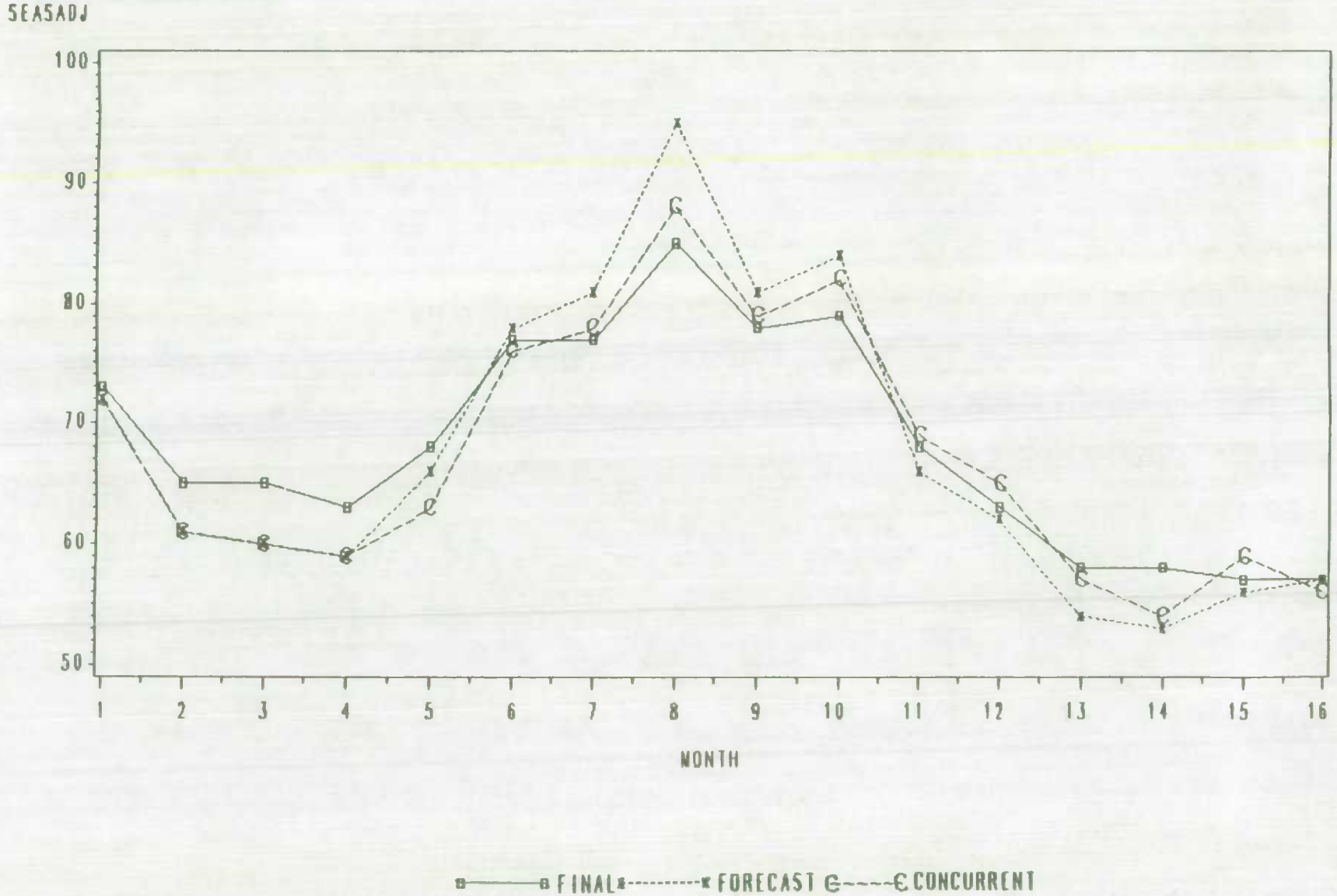
IDENTX=X419



FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

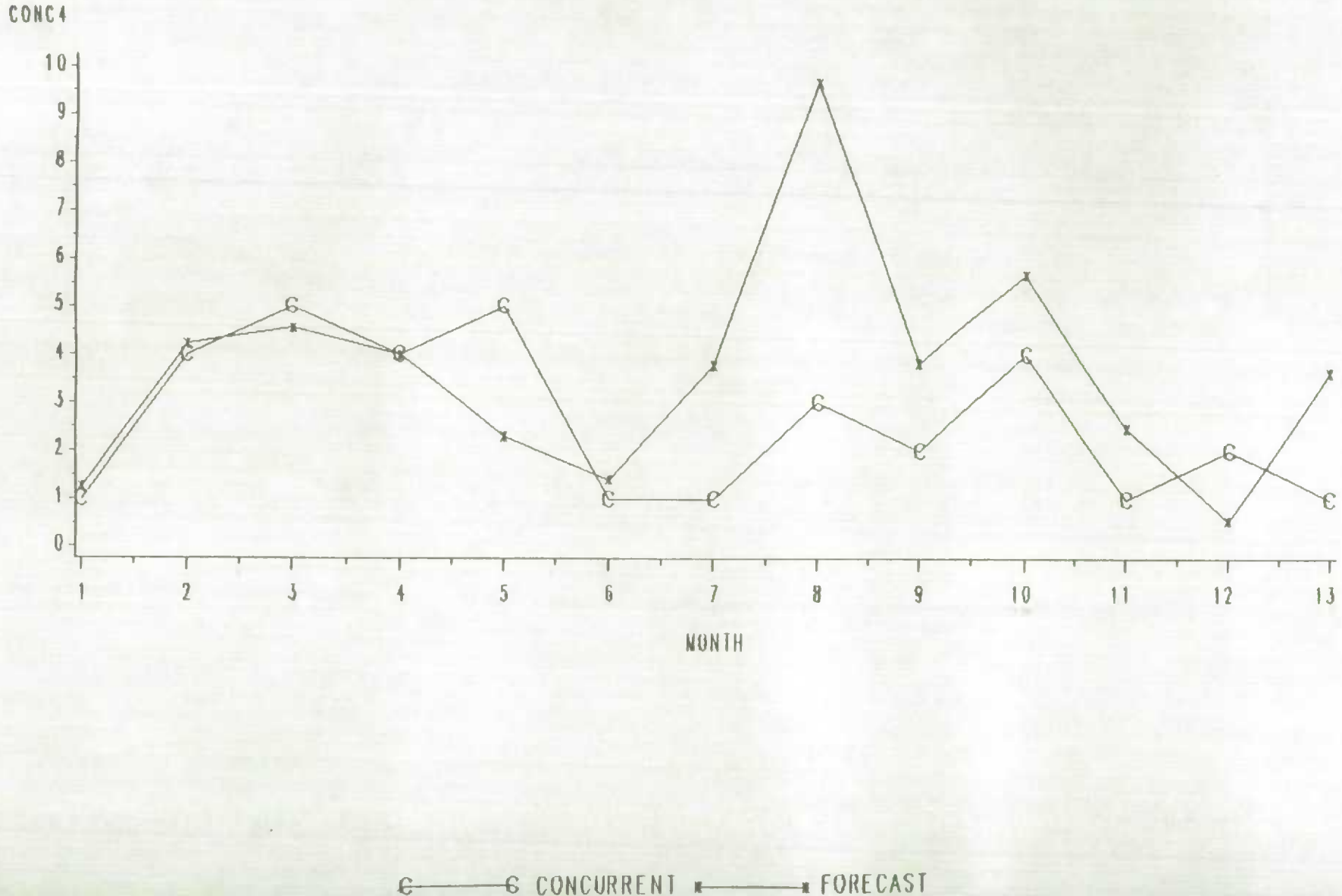
JAN 1990 TO APR 1991

IDENTX=X419



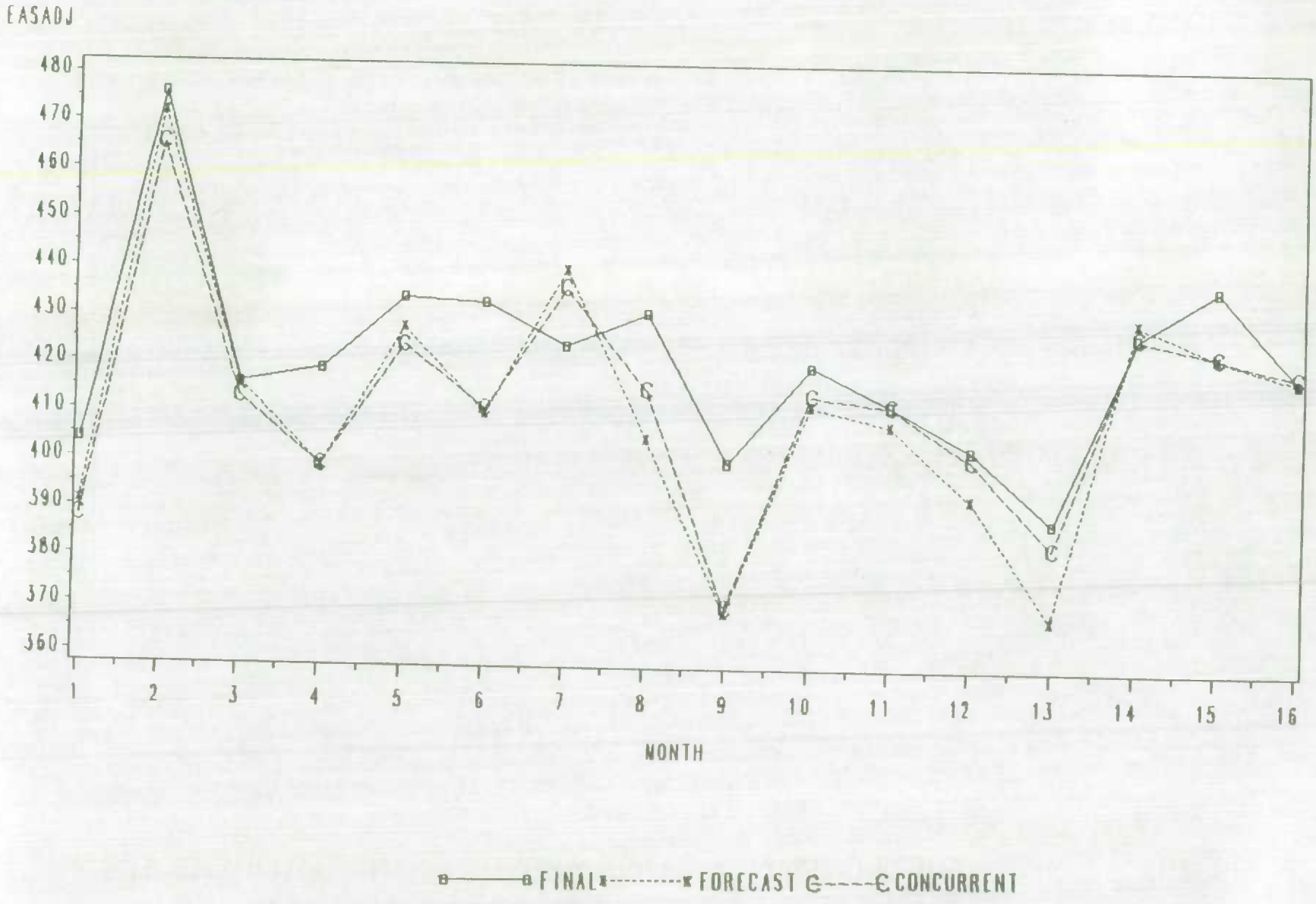
FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991
IDSER=X419



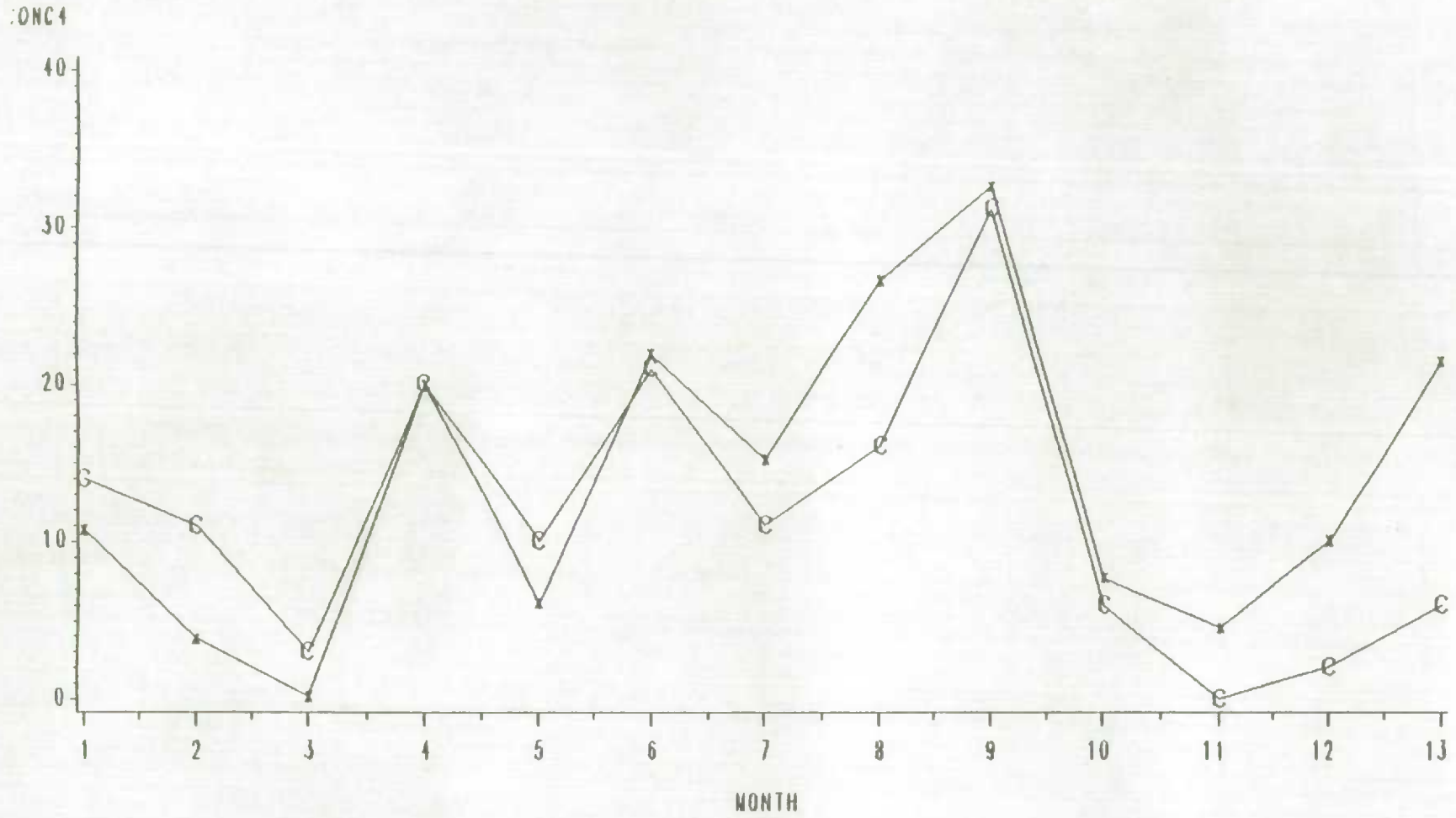
FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991
IDENTX=X501



FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

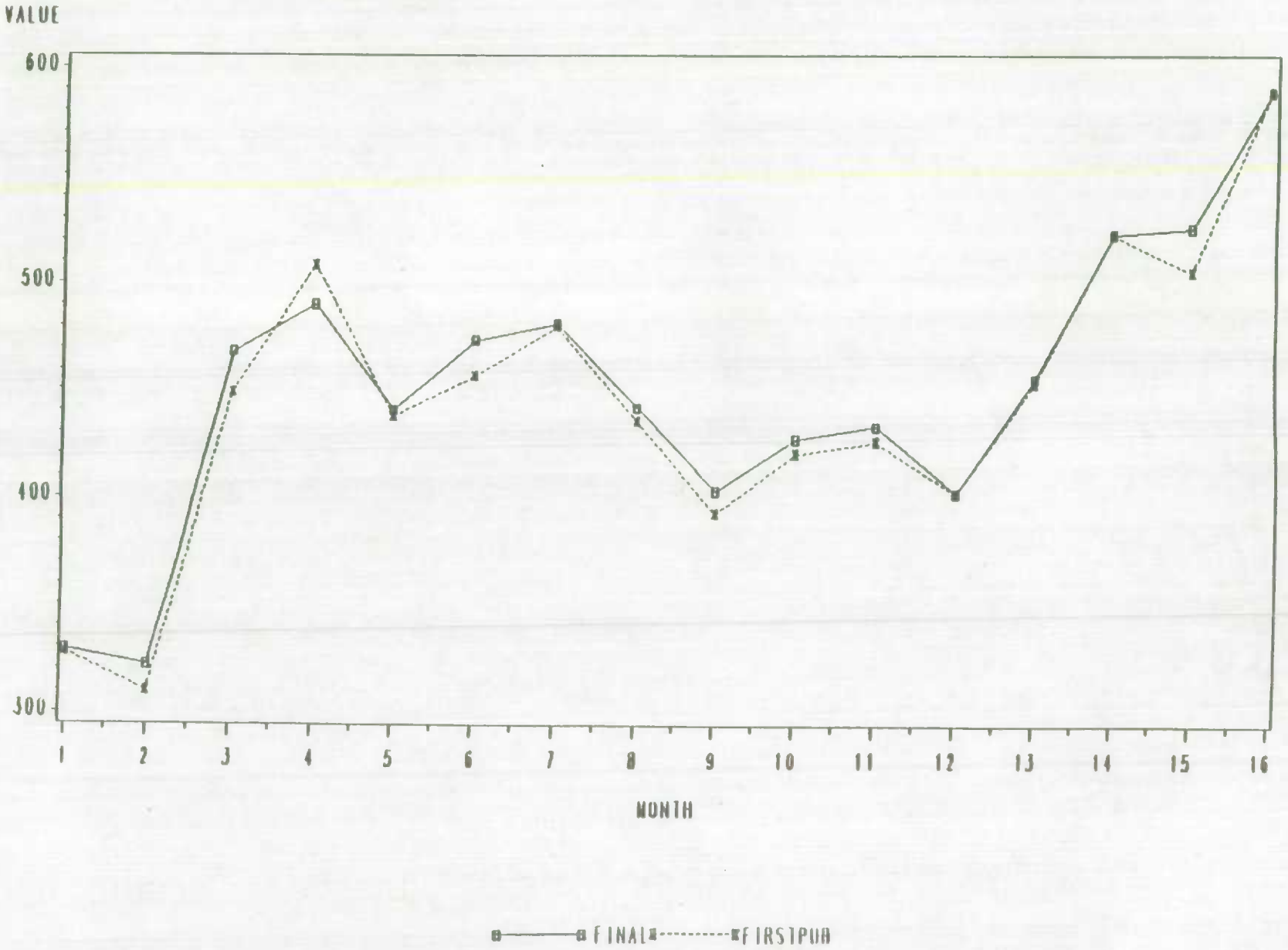
JAN 1990 JAN 1991
IDSER=X501



FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

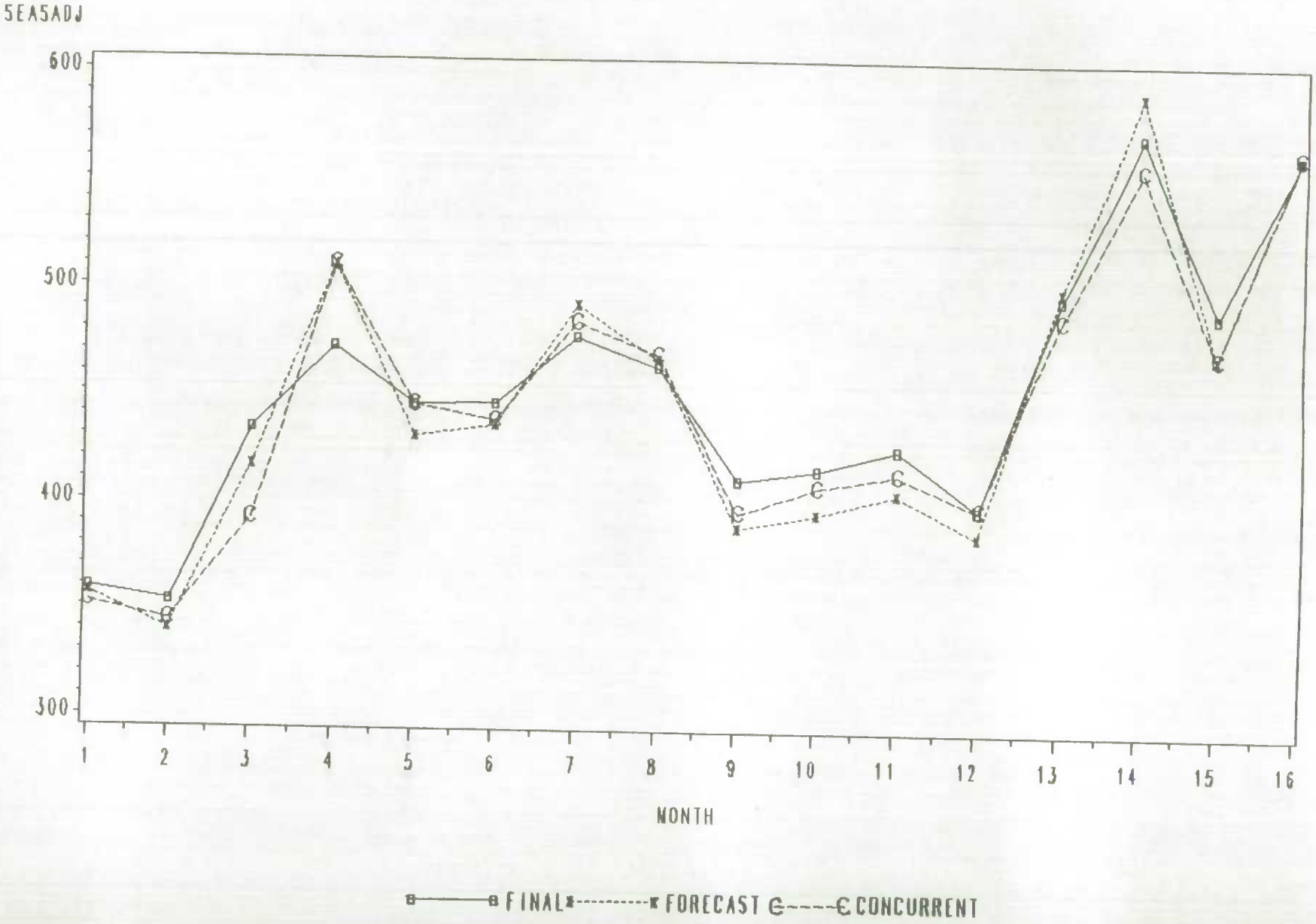
JAN 1990 TO APR 1991

IDENTX=X506



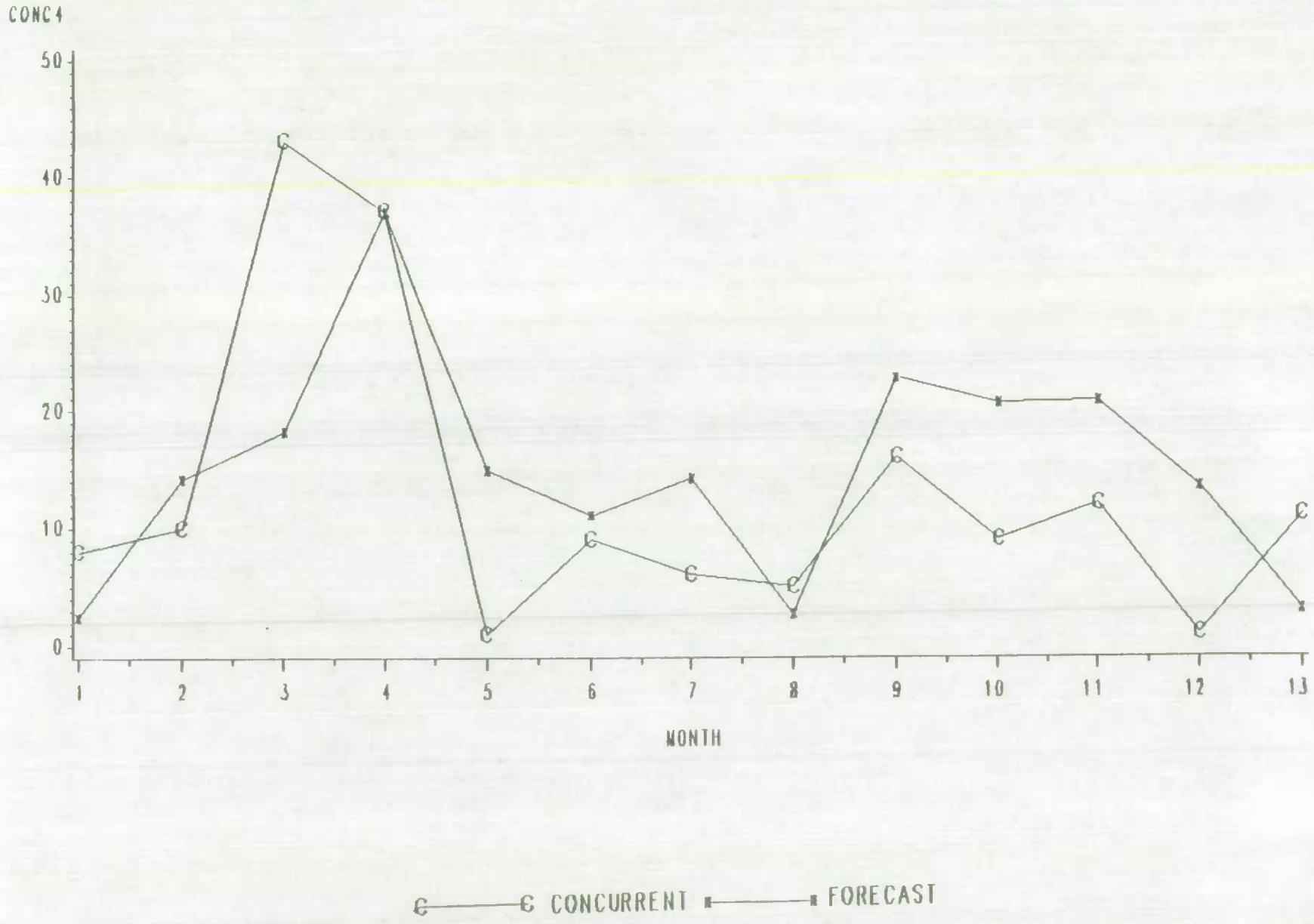
FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991
IDENTX=X506



FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991.
IDSER=X506



APPENDIX "C"

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M001	10552.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M001	10545.	11271.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M001	10599.	11401.	12800.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M001	10614.	11287.	12727.	11469.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M001	10629.	11304.	12730.	11448.	12299.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M001	10659.	11382.	12819.	11515.	12314.	11608.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M001	10661.	11383.	12822.	11527.	12362.	11516.	10045.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M001	10657.	11395.	12831.	11530.	12380.	11571.	10034.	10914.	0.	0.	0.	0.	0.	0.	0.	0.
9	M001	10667.	11414.	12824.	11546.	12385.	11058.	10058.	10956.	10356.	0.	0.	0.	0.	0.	0.	0.
10	M001	10674.	11442.	12824.	11552.	12393.	11600.	10070.	11045.	10369.	12164.	0.	0.	0.	0.	0.	0.
11	M001	10676.	11424.	12827.	11553.	12395.	11604.	10077.	11066.	10382.	12120.	11181.	0.	0.	0.	0.	0.
12	M001	10676.	11425.	12821.	11555.	12399.	11606.	10081.	11072.	10390.	12149.	11361.	9724.	0.	0.	0.	0.
13	M001	10676.	11425.	12821.	11555.	12399.	11606.	10081.	11072.	10390.	12149.	11361.	9724.	10845.	0.	0.	0.
14	M001	10676.	11425.	12821.	11555.	12399.	11606.	10081.	11072.	10390.	12149.	11361.	9724.	10860.	10317.	0.	0.
15	M001	10676.	11425.	12821.	11555.	12399.	11606.	10081.	11072.	10390.	12149.	11361.	9724.	10886.	10333.	11057.	0.
16	M001	10682.	11425.	12838.	11560.	12405.	11611.	10085.	11083.	10397.	12218.	11439.	9814.	10905.	10395.	11134.	11611.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M001	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M001	54.	130.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M001	15.	-114.	-73.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M001	15.	17.	3.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M001	30.	78.	89.	67.	15.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M001	2.	1.	3.	12.	48.	-92.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M001	-4.	12.	9.	3.	18.	55.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M001	10.	19.	-7.	16.	5.	-513.	24.	42.	0.	0.	0.	0.	0.	0.	0.	0.
10	M001	7.	28.	0.	6.	8.	542.	12.	89.	13.	0.	0.	0.	0.	0.	0.	0.
11	M001	2.	-18.	3.	1.	2.	4.	7.	21.	13.	-44.	0.	0.	0.	0.	0.	0.
12	M001	0.	1.	-6.	2.	4.	2.	4.	6.	8.	29.	180.	0.	0.	0.	0.	0.
13	M001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	0.	0.	0.
15	M001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	26.	16.	0.	0.
16	M001	6.	0.	17.	5.	6.	5.	4.	11.	7.	69.	78.	90.	19.	62.	77.	0.
17	M001	130.	154.	38.	91.	106.	3.	40.	169.	41.	54.	258.	90.	60.	78.	77.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M001	2	49.07	542.	5.
M001	3	41.71		
M001	4	55.69		
M001	5	62.42		
M001	6	13.64		
M001	7	10.00		
M001	8	3.89		
M001	9	6.75		
M001	10	5.00		
M001	11	1.33		
M001	12	1.20		
M001	13	1.25		
M001	14	5.67		
M001	15	0.00		
M001	16	6.00		
M001	17	86.81		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M001	11103.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M001	11095.	11520.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M001	11152.	11653.	11284.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M001	11214.	11436.	11313.	11552.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M001	11230.	11453.	11316.	11531.	11134.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M001	11261.	11532.	11395.	11599.	11148.	10968.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M001	11264.	11533.	11397.	11611.	11191.	10881.	11410.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M001	11259.	11545.	11405.	11614.	11208.	10933.	11397.	11170.	0.	0.	0.	0.	0.	0.	0.	0.
9	M001	11270.	11564.	11399.	11630.	11212.	10448.	11424.	11213.	10756.	0.	0.	0.	0.	0.	0.	0.
10	M001	11277.	11593.	11399.	11636.	11219.	10960.	11438.	11304.	10770.	11683.	0.	0.	0.	0.	0.	0.
11	M001	11279.	11574.	11402.	11637.	11221.	10964.	11446.	11325.	10783.	11640.	10813.	0.	0.	0.	0.	0.
12	M001	11279.	11575.	11396.	11639.	11225.	10966.	11450.	11331.	10791.	11668.	10987.	11128.	0.	0.	0.	0.
13	M001	11279.	11575.	11396.	11639.	11225.	10966.	11450.	11331.	10791.	11668.	10987.	11128.	11362.	0.	0.	0.
14	M001	11279.	11575.	11396.	11639.	11225.	10966.	11450.	11331.	10791.	11668.	10987.	11128.	11378.	10433.	0.	0.
15	M001	11279.	11575.	11396.	11639.	11225.	10966.	11450.	11331.	10791.	11668.	10987.	11128.	11405.	10449.	10105.	0.
16	M001	11146.	11696.	11388.	11482.	11263.	11201.	11375.	11305.	11036.	11453.	11121.	11164.	11185.	10694.	10366.	10939.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M001	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M001	57.	133.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M001	62.	-217.	29.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M001	16.	17.	3.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M001	32.	79.	79.	67.	14.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M001	2.	1.	3.	12.	43.	-87.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M001	-4.	12.	8.	3.	16.	52.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M001	11.	19.	-6.	16.	5.	-485.	27.	43.	0.	0.	0.	0.	0.	0.	0.	0.
10	M001	7.	28.	0.	6.	7.	512.	14.	91.	14.	0.	0.	0.	0.	0.	0.	0.
11	M001	2.	-18.	3.	1.	2.	4.	8.	21.	14.	-42.	0.	0.	0.	0.	0.	0.
12	M001	0.	1.	-5.	2.	4.	2.	5.	6.	8.	28.	174.	0.	0.	0.	0.	0.
13	M001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	M001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	16.	0.	0.	0.
15	M001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	27.	16.	0.	0.
16	M001	-134.	121.	-8.	-157.	38.	235.	-76.	-27.	245.	-215.	134.	35.	-220.	245.	261.	0.
17	M001	43.	177.	105.	-70.	129.	234.	-35.	135.	280.	-230.	308.	35.	-177.	262.	261.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M001	2	57.95	512.	5.
M001	3	62.28		
M001	4	71.92		
M001	5	55.55		
M001	6	18.72		
M001	7	24.55		
M001	8	30.29		
M001	9	8.82		
M001	10	15.22		
M001	11	39.76		
M001	12	7.61		
M001	13	39.22		
M001	14	2.72		
M001	15	60.44		
M001	16	133.79		
M001	17	154.90		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	M001	11124.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	M001	11172.	11397.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M001	11199.	11456.	11270.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M001	11189.	11411.	11322.	11501.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M001	11184.	11392.	11266.	11429.	11205.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M001	11196.	11421.	11290.	11423.	11161.	11072.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M001	11204.	11432.	11308.	11448.	11211.	11060.	11329.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M001	11201.	11437.	11308.	11447.	11216.	11084.	11312.	11220.	0.	0.	0.	0.	0.	0.	0.	0.
9	M001	11232.	11468.	11298.	11451.	11197.	10546.	11253.	11133.	10911.	0.	0.	0.	0.	0.	0.	0.
10	M001	11212.	11465.	11304.	11457.	11225.	11105.	11341.	11290.	11036.	11552.	0.	0.	0.	0.	0.	0.
11	M001	11240.	11476.	11324.	11468.	11225.	11088.	11307.	11234.	10984.	11407.	10980.	0.	0.	0.	0.	0.
12	M001	11251.	11490.	11337.	11486.	11244.	11109.	11305.	11263.	11020.	11453.	11110.	11190.	0.	0.	0.	0.
13	M001	11229.	11479.	11327.	11479.	11240.	11106.	11299.	11267.	11027.	11465.	11127.	11215.	11308.	0.	0.	0.
14	M001	11137.	11697.	11363.	11512.	11265.	11124.	11334.	11261.	10995.	11417.	11051.	11104.	11166.	10643.	0.	0.
15	M001	11173.	11557.	11496.	11546.	11292.	11144.	11361.	11270.	10992.	11390.	11006.	11031.	11243.	10479.	10237.	0.
16	M001	11132.	11680.	11399.	11453.	11257.	11195.	11370.	11302.	11031.	11453.	11121.	11164.	11186.	10691.	10356.	10946.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	M001	48.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	M001	27.	59.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	M001	-10.	-45.	52.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	M001	-5.	-19.	-56.	-72.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	M001	12.	29.	24.	-6.	-44.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	M001	8.	11.	18.	25.	50.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	M001	-3.	5.	0.	-1.	5.	24.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	M001	31.	31.	-10.	4.	-19.	-538.	-59.	-87.	0.	0.	0.	0.	0.	0.	0.	0.
10	M001	-20.	-3.	6.	6.	28.	559.	88.	157.	125.	0.	0.	0.	0.	0.	0.	0.
11	M001	28.	11.	20.	11.	0.	-17.	-34.	-56.	-52.	-145.	0.	0.	0.	0.	0.	0.
12	M001	11.	14.	13.	18.	19.	21.	-2.	29.	36.	46.	130.	0.	0.	0.	0.	0.
13	M001	-22.	-11.	-10.	-7.	-4.	-3.	-6.	4.	7.	12.	17.	25.	0.	0.	0.	0.
14	M001	-92.	218.	36.	33.	25.	18.	35.	-6.	-32.	-48.	-76.	-111.	-142.	0.	0.	0.
15	M001	36.	-140.	133.	34.	27.	20.	27.	9.	-3.	-27.	-45.	-73.	77.	-164.	0.	0.
16	M001	-41.	123.	-97.	-93.	-35.	51.	9.	32.	39.	63.	115.	133.	-57.	212.	119.	0.
17	M001	8.	283.	129.	-48.	52.	123.	41.	82.	120.	-99.	141.	-26.	-122.	48.	119.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
M001	2	82.73	559.	5.
M001	3	67.07		
M001	4	78.38		
M001	5	77.25		
M001	6	22.91		
M001	7	12.80		
M001	8	17.33		
M001	9	19.13		
M001	10	15.00		
M001	11	27.17		
M001	12	25.40		
M001	13	116.50		
M001	14	109.67		
M001	15	79.50		
M001	16	41.00		
M001	17	90.06		

MATRIX OF LEVELS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X001	11111.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X001	11113.	11235.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X001	11147.	11254.	12418.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X001	11091.	11259.	12923.	11692.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X001	11102.	11292.	12909.	11912.	13546.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X001	11189.	11315.	12997.	12395.	13238.	12958.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X001	11172.	11328.	12998.	12436.	13248.	12951.	11070.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X001	11176.	11327.	13016.	12450.	13302.	13073.	11106.	11527.	0.	0.	0.	0.	0.	0.	0.	0.
9	X001	11181.	11328.	13018.	12457.	13294.	13103.	10964.	11301.	11993.	0.	0.	0.	0.	0.	0.	0.
10	X001	11181.	11335.	12976.	12408.	13246.	13077.	10984.	11505.	11909.	13448.	0.	0.	0.	0.	0.	0.
11	X001	11156.	11335.	13048.	12065.	13583.	13025.	11100.	11543.	12031.	13626.	12452.	0.	0.	0.	0.	0.
12	X001	11160.	11335.	13048.	12067.	13586.	13028.	11101.	11551.	12075.	13493.	12451.	11161.	0.	0.	0.	0.
13	X001	11160.	11335.	13048.	12067.	13586.	13028.	11101.	11551.	12075.	13493.	12451.	11161.	11185.	0.	0.	0.
14	X001	11160.	11335.	13048.	12067.	13586.	13028.	11101.	11551.	12075.	13493.	12451.	11161.	11265.	10690.	0.	0.
15	X001	11160.	11335.	13048.	12067.	13586.	13028.	11101.	11551.	12075.	13493.	12451.	11161.	11254.	10823.	11529.	0.
16	X001	11161.	11373.	13046.	12112.	13590.	13059.	11116.	11567.	12089.	13574.	12558.	11238.	11294.	10856.	11673.	12366.

MATRIX OF REVISIONS FOR ORIGINAL SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X001	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X001	34.	19.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X001	-56.	5.	505.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X001	11.	33.	-14.	220.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X001	87.	23.	88.	483.	-308.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X001	-17.	13.	1.	41.	10.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X001	4.	-1.	18.	14.	54.	122.	36.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X001	5.	1.	2.	7.	-8.	30.	-142.	-226.	0.	0.	0.	0.	0.	0.	0.	0.
10	X001	0.	7.	-42.	-49.	-48.	-26.	20.	204.	-84.	0.	0.	0.	0.	0.	0.	0.
11	X001	-25.	0.	72.	-343.	337.	-52.	116.	38.	122.	178.	0.	0.	0.	0.	0.	0.
12	X001	4.	0.	0.	2.	3.	3.	1.	8.	44.	-133.	-1.	0.	0.	0.	0.	0.
13	X001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	80.	0.	0.	0.
15	X001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	133.	0.	0.
16	X001	1.	38.	-2.	45.	4.	31.	15.	16.	14.	81.	107.	77.	40.	33.	144.	0.
17	X001	50.	138.	628.	420.	44.	101.	46.	40.	96.	126.	106.	77.	109.	166.	144.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X001	2	129.53	505.	4.
X001	3	93.79		
X001	4	34.15		
X001	5	23.67		
X001	6	30.27		
X001	7	49.00		
X001	8	45.22		
X001	9	12.75		
X001	10	2.14		
X001	11	9.33		
X001	12	1.60		
X001	13	11.25		
X001	14	0.67		
X001	15	19.00		
X001	16	1.00		
X001	17	143.19		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING FORECAST FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X001	11265.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X001	11267.	11690.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X001	11302.	11710.	12140.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X001	11524.	11641.	12297.	11754.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X001	11536.	11675.	12284.	11975.	12407.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X001	11626.	11699.	12367.	12461.	12125.	12689.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X001	11608.	11712.	12368.	12502.	12134.	12682.	12557.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X001	11613.	11711.	12386.	12516.	12184.	12802.	12598.	12071.	0.	0.	0.	0.	0.	0.	0.	0.
9	X001	11618.	11712.	12387.	12523.	12176.	12831.	12436.	11835.	12252.	0.	0.	0.	0.	0.	0.	0.
10	X001	11618.	11719.	12348.	12474.	12132.	12806.	12459.	12048.	12166.	12549.	0.	0.	0.	0.	0.	0.
11	X001	11592.	11719.	12416.	12129.	12441.	12755.	12591.	12088.	12290.	12716.	11752.	0.	0.	0.	0.	0.
12	X001	11596.	11719.	12416.	12131.	12444.	12758.	12592.	12097.	12335.	12591.	11751.	11793.	0.	0.	0.	0.
13	X001	11596.	11719.	12416.	12131.	12444.	12758.	12592.	12097.	12335.	12591.	11751.	11793.	11471.	0.	0.	0.
14	X001	11596.	11719.	12416.	12131.	12444.	12758.	12592.	12097.	12335.	12591.	11751.	11793.	11553.	11038.	0.	0.
15	X001	11596.	11719.	12416.	12131.	12444.	12758.	12592.	12097.	12335.	12591.	11751.	11793.	11541.	11175.	11289.	0.
16	X001	11643.	11994.	12505.	12188.	12388.	12543.	12410.	12305.	12237.	12443.	11994.	11892.	11766.	11491.	11553.	11829.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X001	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X001	34.	20.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X001	222.	-69.	157.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X001	11.	34.	-13.	221.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X001	90.	24.	84.	486.	-282.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X001	-18.	13.	1.	41.	9.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X001	4.	-1.	17.	14.	49.	119.	41.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X001	5.	1.	2.	7.	-7.	29.	-161.	-237.	0.	0.	0.	0.	0.	0.	0.	0.
10	X001	0.	7.	-40.	-49.	-44.	-25.	23.	214.	-86.	0.	0.	0.	0.	0.	0.	0.
11	X001	-26.	0.	69.	-345.	309.	-51.	132.	40.	125.	166.	0.	0.	0.	0.	0.	0.
12	X001	4.	0.	0.	2.	3.	3.	1.	8.	45.	-124.	-1.	0.	0.	0.	0.	0.
13	X001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	X001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	82.	0.	0.	0.
15	X001	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	137.	0.	0.
16	X001	47.	275.	89.	56.	-55.	-214.	-181.	209.	-98.	-149.	244.	99.	224.	316.	264.	0.
17	X001	378.	305.	365.	433.	-19.	-146.	-146.	234.	-14.	-107.	243.	99.	295.	454.	264.	0.

IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X001	2	113.54	486.	4.
X001	3	120.13		
X001	4	60.94		
X001	5	26.83		
X001	6	42.51		
X001	7	53.00		
X001	8	54.55		
X001	9	36.46		
X001	10	25.92		
X001	11	40.01		
X001	12	11.90		
X001	13	14.07		
X001	14	29.51		
X001	15	137.46		
X001	16	47.01		
X001	17	218.77		

MATRIX OF LEVELS FOR SEAS. ADJ. SERIES USING CONCURR. FACTORS

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
1	X001	11466.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	X001	11452.	11543.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X001	11516.	11611.	11947.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X001	11503.	11619.	12279.	11732.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X001	11546.	11666.	12300.	11924.	12242.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X001	11650.	11739.	12388.	12279.	12175.	12362.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X001	11639.	11755.	12357.	12318.	12207.	12419.	12489.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X001	11653.	11769.	12370.	12335.	12223.	12434.	12487.	12158.	0.	0.	0.	0.	0.	0.	0.	0.
9	X001	11654.	11772.	12384.	12318.	12189.	12408.	12353.	11959.	12250.	0.	0.	0.	0.	0.	0.	0.
10	X001	11652.	11766.	12330.	12285.	12165.	12407.	12386.	12142.	12236.	12526.	0.	0.	0.	0.	0.	0.
11	X001	11652.	11777.	12453.	12082.	12342.	12383.	12466.	12159.	12298.	12594.	11868.	0.	0.	0.	0.	0.
12	X001	11655.	11787.	12444.	12103.	12351.	12388.	12454.	12146.	12298.	12488.	11949.	11992.	0.	0.	0.	0.
13	X001	11819.	11818.	12398.	12103.	12351.	12383.	12441.	12125.	12269.	12505.	11906.	11938.	11748.	0.	0.	0.
14	X001	11724.	11963.	12424.	12125.	12367.	12396.	12452.	12127.	12256.	12469.	11870.	11883.	11715.	11329.	0.	0.
15	X001	11701.	11935.	12576.	12127.	12364.	12391.	12442.	12113.	12231.	12476.	11844.	11855.	11677.	11432.	11443.	0.
16	X001	11624.	11980.	12488.	12182.	12383.	12540.	12408.	12305.	12238.	12445.	11997.	11895.	11769.	11494.	11551.	11830.

MATRIX OF REVISIONS FOR SEAS. ADJ. SERIES

	IDENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
2	X001	-14.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	X001	64.	68.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	X001	-13.	8.	332.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	X001	43.	47.	21.	192.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	X001	104.	73.	88.	355.	-67.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	X001	-11.	16.	-31.	39.	32.	57.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	X001	14.	14.	13.	17.	16.	15.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	X001	1.	3.	14.	-17.	-34.	-26.	-134.	-199.	0.	0.	0.	0.	0.	0.	0.	0.
10	X001	-2.	-6.	-54.	-33.	-24.	-1.	33.	183.	-14.	0.	0.	0.	0.	0.	0.	0.
11	X001	0.	11.	123.	-203.	177.	-24.	80.	17.	62.	68.	0.	0.	0.	0.	0.	0.
12	X001	3.	10.	-9.	21.	9.	5.	-12.	-13.	0.	-106.	81.	0.	0.	0.	0.	0.
13	X001	164.	31.	-46.	0.	0.	-5.	-13.	-21.	-29.	17.	-43.	-54.	0.	0.	0.	0.
14	X001	-95.	145.	26.	22.	16.	13.	11.	2.	-13.	-36.	-36.	-55.	-33.	0.	0.	0.
15	X001	-23.	-28.	152.	2.	-3.	-5.	-10.	-14.	-25.	7.	-26.	-28.	-38.	103.	0.	0.
16	X001	-77.	45.	-88.	55.	19.	149.	-34.	192.	7.	-31.	153.	40.	92.	62.	108.	0.
17	X001	158.	437.	541.	450.	141.	178.	-81.	147.	-12.	-81.	129.	-97.	21.	165.	108.	0.

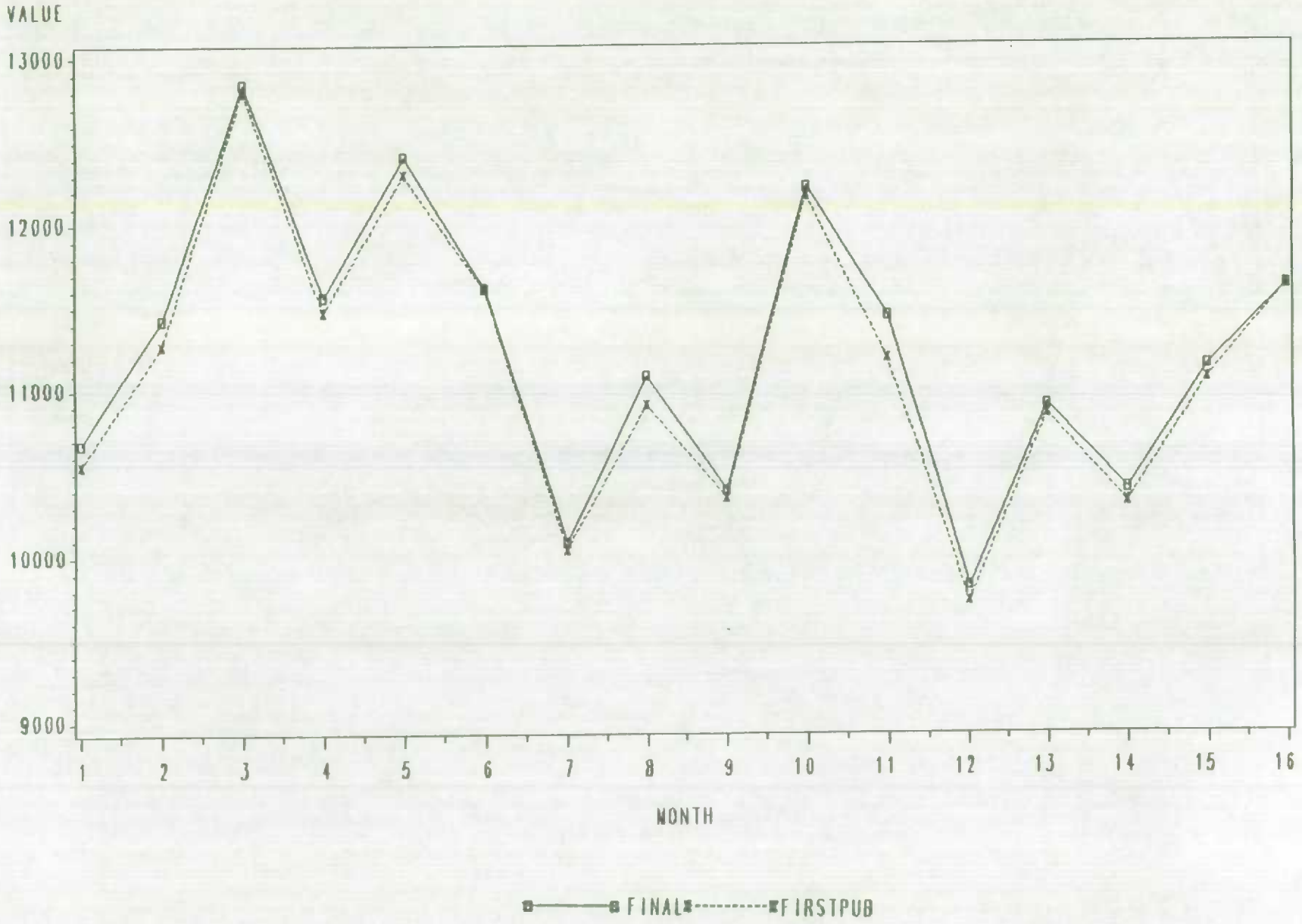
IDENT		AVABS. REV.	MAX ABS.	PERCENT.
X001	2	92.80	355.	3.
X001	3	84.14		
X001	4	34.77		
X001	5	35.25		
X001	6	36.73		
X001	7	32.50		
X001	8	35.56		
X001	9	45.75		
X001	10	11.00		
X001	11	38.33		
X001	12	16.20		
X001	13	129.00		
X001	14	70.33		
X001	15	34.00		
X001	16	77.00		
X001	17	171.62		

APPENDIX "D"

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

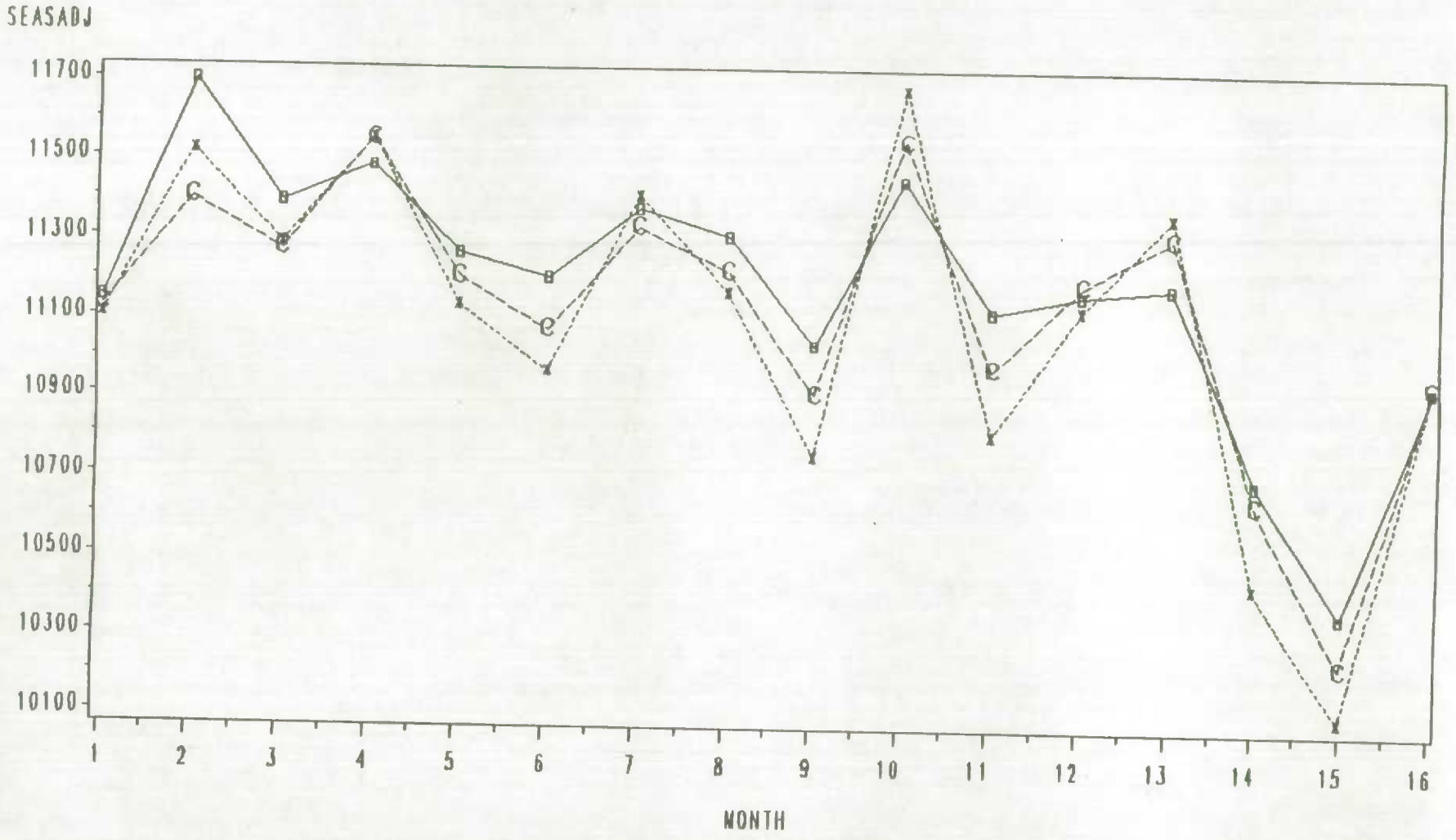
IDENTX=W001



FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

JAN 1990 TO APR 1991

IDENTX=M001



FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

JAN 1990 JAN 1991
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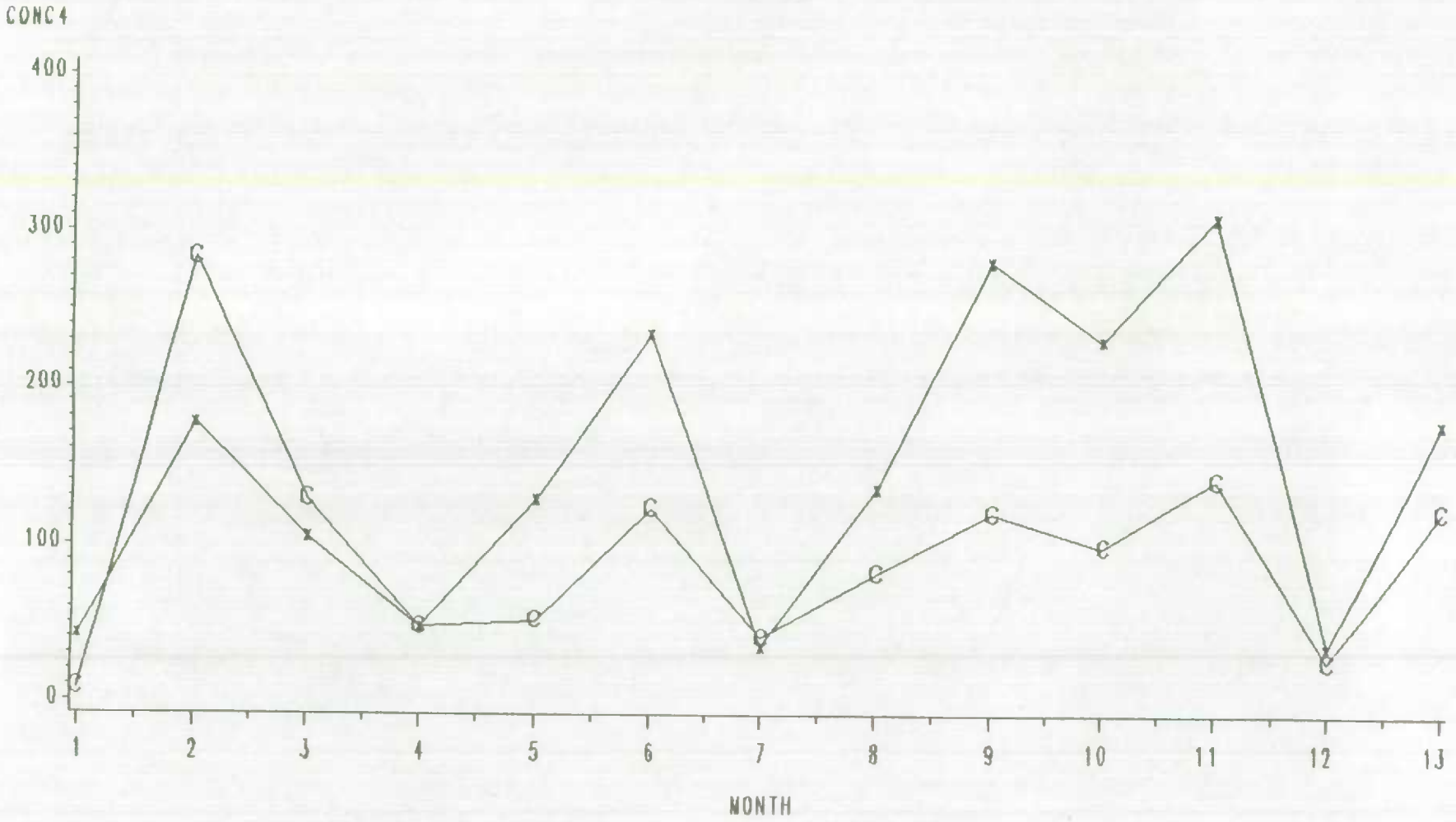

FIRST PUBLISHED ORIGINAL VALUES VS FINAL VALUES

JAN 1990 TO APR 1991

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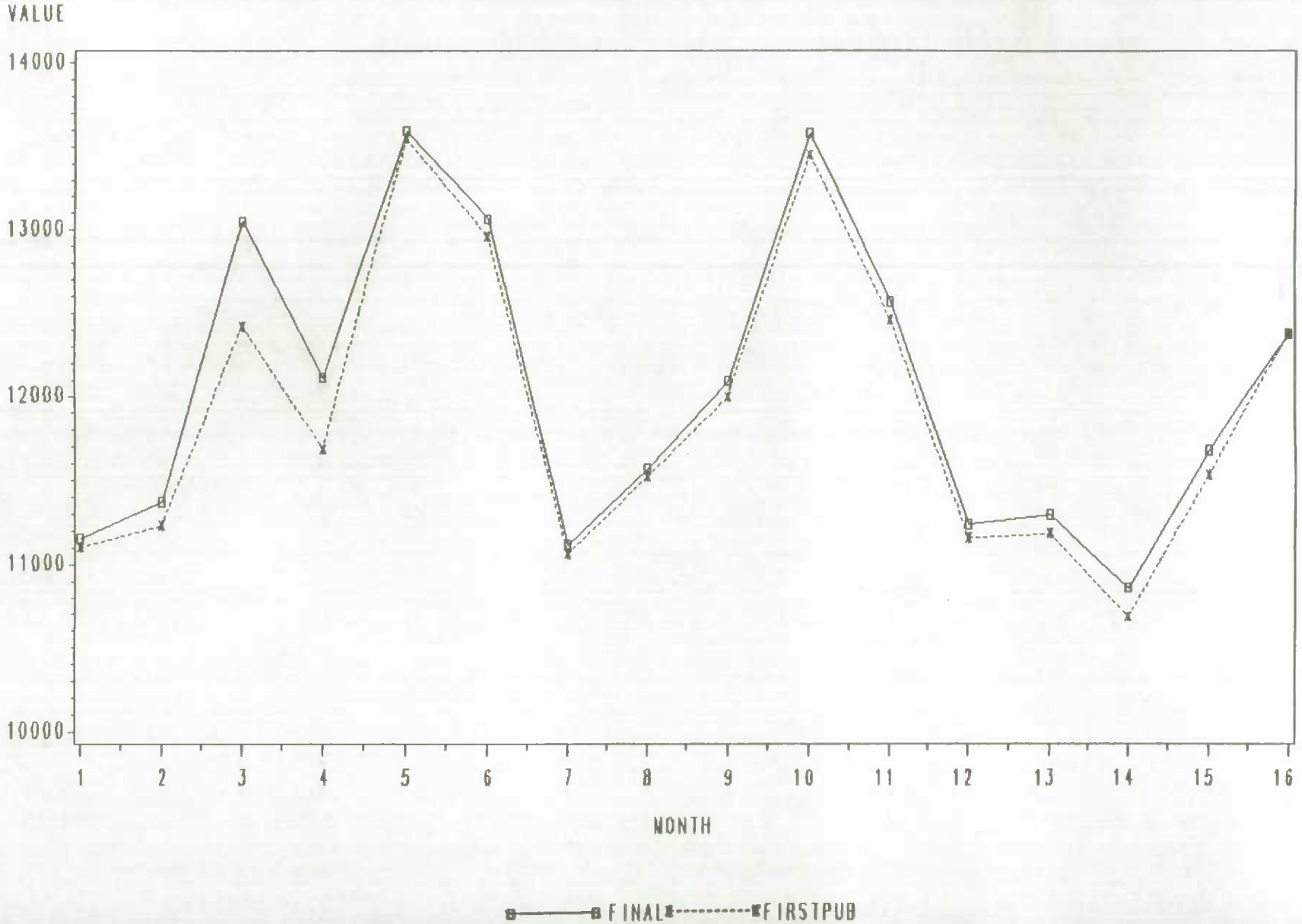

FIRST PUBLISHED CONCURRENT AND FORECAST SEAS. ADJ. VALUES VS FINAL

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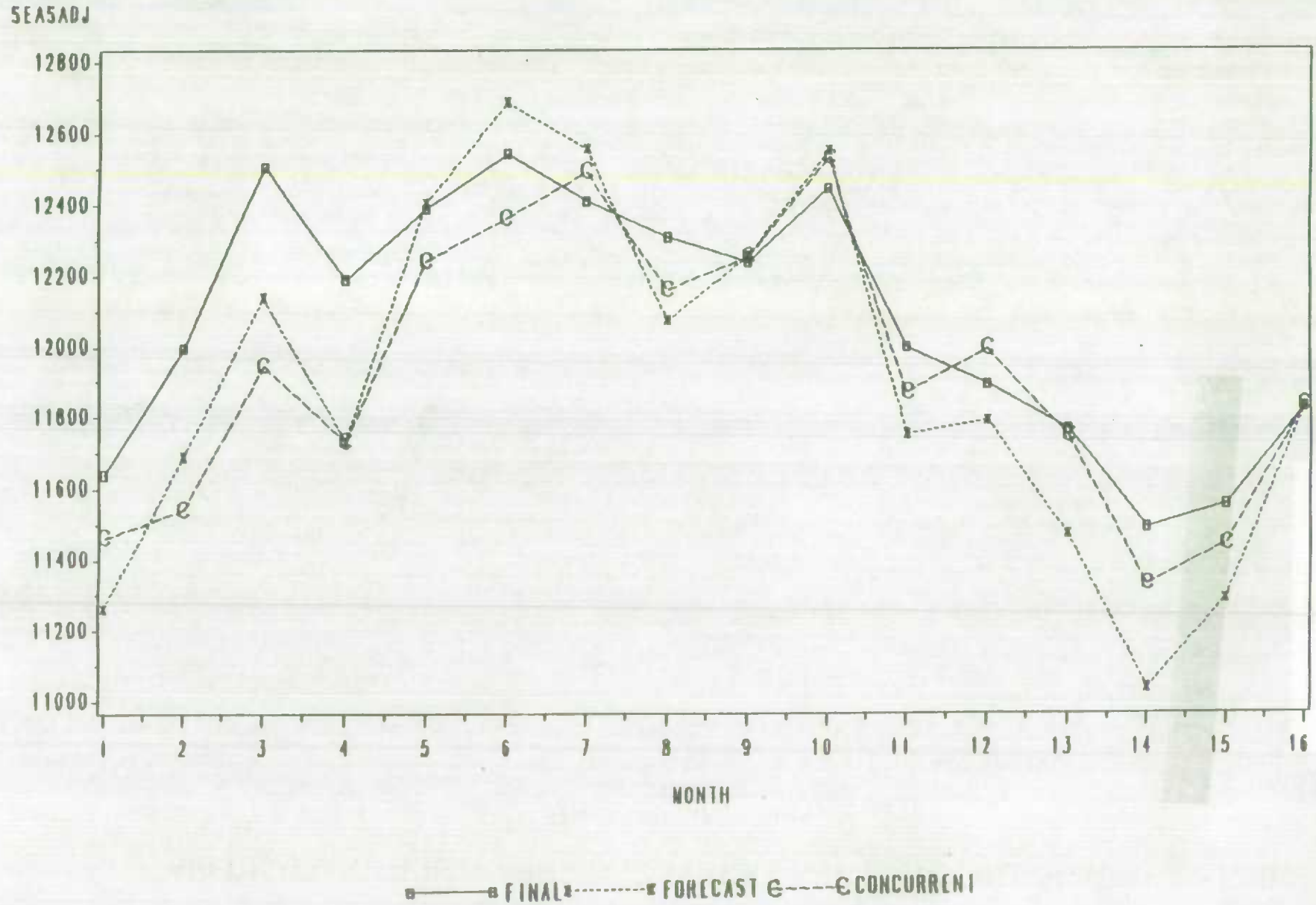

FINAL ABSOLUTE REVISIONS OF CONCURRENT AND FORECAST SEAS.ADJ. SERIES

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