

VIII.3.3-ADJUST-T ADJUST TIDE OPERATION

Identifier: ADJUST-T

Operation Number: 60

Developed By: Northwest River Forecast Center

Parameter Array: The FORTRAN identifier used for the parameter array is P. The contents of the P array are:

<u>Position</u>	<u>Contents</u>
1	Operation version number (integer)
2-19	General name or title (maximum 72 characters)
20-21	Observed stage time series identifier
22	Observed stage data type code
23-24	Predicted stage time series identifier
25	Predicted stage time series data type code
26-27	Tide1 balance time series identifier
28	Tide1 balance time series data type code
29-30	Tide2 balance time series identifier
31	Tide2 balance time series data type code
32-33	Tide3 balance time series identifier
34	Tide3 balance time series data type code
35-36	Tide4 balance time series identifier
37	Tide4 balance time series data type code
38-39	Adjusted stage time series identifier
40	Adjusted stage time series data type code

Carryover Array: There is no carryover for this Operation.

Subroutine Names and Functions:

Subroutine Function

PIN60	Input values, make checks and stores values in the P array
TAB60	Make entries into the Operations Table
PRP60	Print information stored in the P array
PUC60	Write card images that can be read by PIN60
EX60	Execute the Operation

Subroutines PIN60, PRP60 and PUC60 have the standard argument lists for subroutines as given in Section VIII.4.3.

SUBROUTINE EX60 (P,ODEPTH,PDEPTH,ASTID1,ASTID2,ASTID3,ASTID4,DWTIDA)

Function: This is the execution subroutine for the ADJUST-T Operation.

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
P	Input	R*4	Variable	Contains parameters and other information
ODEPTH	Input	R*4	Variable	Observed tide stage array
PDEPTH	Input	R*4	Variable	Predicted tide stage array
ASTID1	Output	R*4	Variable	Range1 stage balances array
ASTID2	Output	R*4	Variable	Range2 stage balances array
ASTID3	Output	R*4	Variable	Range3 stage balances array
ASTID4	Output	R*4	Variable	Range4 stage balances array
DWTIDA	Output	R*4	Variable	Adjusted stage array

SUBROUTINE TAB60 (TO,LEFT,IUSET,NXT,LPO,PO,LCO,TS,MTS,LWORK,IDT)

Function: This is the Operations Table entry routine for Operation ADJUST-T.

Argument List: The arguments for this subroutine are similar to the arguments for the Operations table entry subroutines for other Operations. A description of the arguments is contained in Section VIII.4.2-TAB.

Operations Table Array: The contents of the TO array are:

<u>Position</u>	<u>Contents</u>
1	Operation number
2	Location of next Operation in T array
3	Location of parameters in P array
4	Location of carryover in C array
5	Location of observed stage time series in D array
6	Location of predicted observed stage time series in D array
7	Location of Tide1 balance time series in D array
8	Location of Tide2 balance time series in D array
9	Location of Tide3 balance time series in D array
10	Location of Tide4 balance time series in D array
11	Location of adjusted stage time series in D array