



JERRY THOMPSON & ASSOCIATES, INC.

# RESTRICTION ANALYSIS TOOL

National Traffic Management Log (NTML) analysis tool that develops aviation system performance metrics.

The NTML was developed to provide a single system for automated logging and dissemination of Traffic Management Initiatives (TMIs) throughout the National Airspace System (NAS). During NAS severe weather and other constraining events, there are numerous TMIs and other log entries that are evaluated by the Air Traffic Control System Command Center (ATCSCC), Air Traffic Control (ATC) facilities and NAS users. The NTML provides an automated means to coordinate, track and implement TMIs with the ATCSCC and impacted ATC facilities.

The Restriction Analysis Tool can be used in the following ways:

- Evaluation of historical events to sort the data for analysis and metrics reporting.
- Improve TFM operations by utilizing analyzed historical and weather events.
- Examine Traffic Flow Management activities via user-defined requests using a GUI in concert with other analytical tools.
- Correlate with delay information by linking with the Aviation System Performance Metrics (ASPM) data.

The system was designed and developed by JTA, and is maintained by JTA for AJF-3.

The screenshot displays the Performance Analysis System (PAS) interface. At the top, it shows the JTA logo and company name, along with navigation links like 'memberlist', 'usergroups', 'profile', and 'logout'. The main title is 'Performance Analysis System PAS'. Below this, there are search filters for 'Date Range', 'Time Period', 'Airport', 'Rstn Type', 'From Facilities', 'To Facilities', 'Reason', and 'NAS Element'. The 'Date Range' is set from 2011/01/01 to 2011/07/31, and the 'Airport' is set to ATL. The 'Rstn Type' is set to ZDC. The interface includes a table with columns for 'No.', 'Rstn Type', 'From Facility', 'To Facility', 'Airport', 'NAS Element', 'Start Time', 'End Time', 'Rstn Count', 'Total Rstn Value', and 'Total Rstn Time (min)'. The table contains 23 records. At the bottom, it indicates 'Page 1 of 5 (48 Records)' and '10' records per page. The footer of the interface mentions 'Powered by phpBB v2 © 2001, 2005 phpBB Group | Developed by JTA Engineer Team, Copyright © 2009-2010'.

No.	Rstn Type	From Facility	To Facility	Airport	NAS Element	Start Time	End Time	Rstn Count	Total Rstn Value	Total Rstn Time (min)
1	Arrivals		ZBW		J121	2011/01/01	2011/07/31	1	2250	75
7	Arrivals		ZNY		WAVEY	2011/01/01	2011/07/31	1	2400	80
8	Arrivals		ZNY		WHINZ	2011/01/01	2011/07/31	1	600	120
9	Arrivals		ZNY		WHITE	2011/01/01	2011/07/31	1	2400	80
10	Arrivals		ZY	ATL		2011/01/01	2011/07/31	1	1350	270
14	Departures		ZBW		J174	2011/01/01	2011/07/31	1	15000	375
15	Departures		ZBW/ZNY		J121	2011/01/01	2011/07/31	1	0	120
16	Departures		ZBW/ZNY		J174	2011/01/01	2011/07/31	1	0	120
22	Departures		ZTL		AR9	2011/01/01	2011/07/31	1	0	0
23	Departures		ZTL	ATL		2011/01/01	2011/07/31	1	2700	135