



Pavement Structural Assessment for Village of Diamond, IL

Prepared for
Village of Diamond, Illinois
In Association with
Chicago Metropolitan Agency for Planning

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FINAL REPORT

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List of Abbreviations

Abbreviation	Explanation
AADT -	Annual Average Daily Traffic
AC -	Asphalt Concrete
ADT -	Average Daily Traffic
AECOM -	The organization AECOM
ARA -	Applied Research Associates
ASTM -	American Society for Testing and Materials
CMAP -	Chicago Metropolitan Agency for Planning
DSV -	Digital Survey Vehicle
FHWA -	Federal Highway Administration
FWD -	Falling Weight Deflectometer
GIS -	Geographic Information System
GPS -	GLOBAL Positioning System
HMA -	Hot Mix Asphalt
IDOT -	Illinois Department of Transportation
IRI -	International Roughness Index
LCMS -	Laser Crack Measurement System
LTR -	Load Transfer Restoration
PCC -	Portland Cement Concrete
PCI -	Pavement Condition Index
PMS -	Pavement Management System
RL -	Remaining Life
RSL -	Remaining Service Life
STA -	State Transportation Agencies
SN _{eff} -	Structural Number Effective
SN _{required} -	Structural Number Required

1. EXECUTIVE SUMMARY

Chicago Metropolitan Agency for Planning (CMAP) selected the AECOM and Applied Research Associates Inc. (ARA) team, to conduct pavement structural assessment for the Village of Diamond, IL. ARA conducted coring and structural evaluation using the Falling Weight Deflectometer (FWD) on the Village of Diamond, IL roadway network. Traffic data and limited number of pavement structures were collected from the village. Additional input (e.g., remaining pavement layer structure, traffic growth rate) used in the analysis were adopted and are further discussed in the report.

The structural health of the pavement is presented based on Remaining Life (RL) and Overlay Thickness (OT). Figure 1 summarizes the network structural condition based on RL and OT. As shown, approximately 76% of the network is estimated to have a remaining structural service life of greater than 10 years and approximately 72% is estimated to have adequate structural thickness. Less than 1% of the network is estimated to have a remaining structural life of less than 2 years and minimal pavement sections were estimated to have an additional structural layer thickness of greater than 2".

Please note that the analysis performed in this study are network level and were completed using several assumptions outlined in the report. The results should not be used for project level designs without verification.

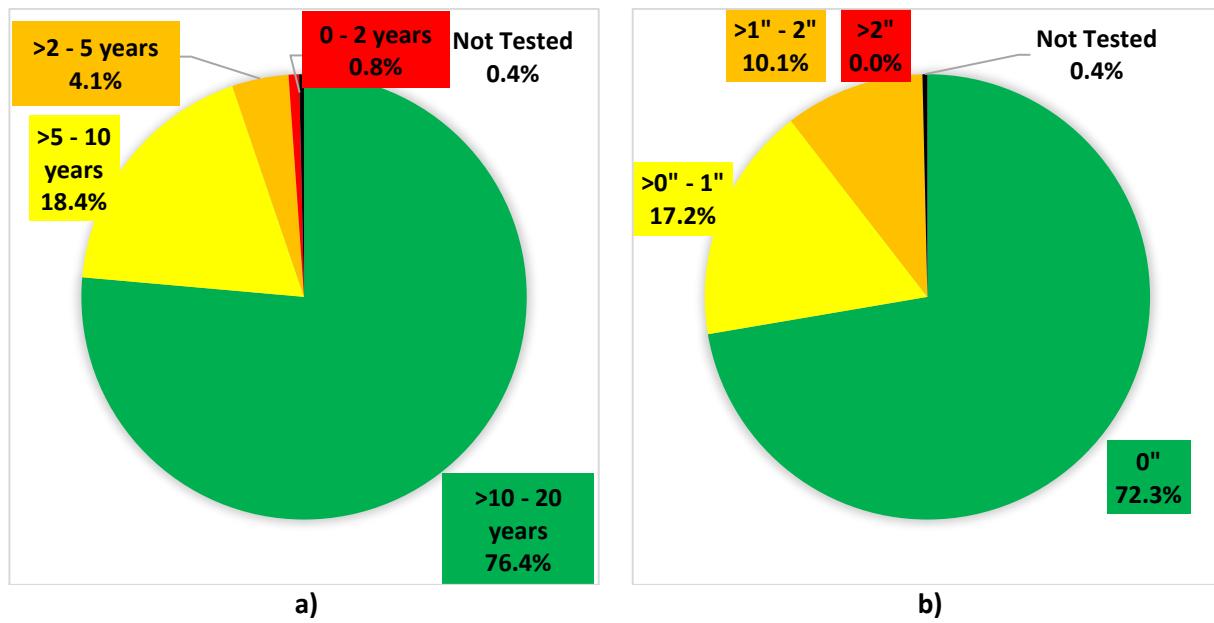


Figure 1. Network Condition Pie Chart Based on a) Remaining Life in years and b) Additional Structural Overlay Thickness in inches.

2. INTRODUCTION

2.1 Background

Chicago Metropolitan Agency for Planning (CMAP) selected the AECOM and Applied Research Associates Inc. (ARA) team, to conduct pavement structural assessment for a selected number of local agencies from the CMAP region, including additional data collection for non-Federal Aid routes. Non-Federal aid routes are public roads that are not on the Federal-aid highway systems and classified as local roads or rural minor collectors. The pavement structural evaluation will provide participating local agencies with a document that describes the current structural condition of pavements which provides an additional set of data that complements the pavement preservation, maintenance, rehabilitation, or reconstruction treatments that the agency is considering for a specific route. The pavement structural evaluation for the Village of Diamond, IL includes summary tables, charts, graphics, and maps depicting current structural pavement conditions and expected future structural condition under the current or future traffic volume.

As part of this project, ARA has evaluated the current structural condition of the Village of Diamond's roadway pavement network and forecasted structural condition.

2.2 Methodology

ARA met with the Village of Diamond (the Village), CMAP, and AECOM representatives for a project kick-off meeting on July 03, 2024. Based on the kick-off meeting and documents provided by the Village and CMAP, pavement data was collected in July-August 2024. The same GIS shapefile, provided by CMAP for the pavement management system (PMS) development, was used as the base map for the field data collection. The network segmentation provided in the GIS shapefile was the primary source of roadway inventory for the Village's pavement management database.

2.3 Network Segmentation

The Village of Diamond manages about 13.18 miles of roadway pavements, consisting of asphalt pavements. The initial GIS shapefile consisted of 92 segments, out of which 81 segments were inspected as Division St. was not collected as advised by the village.

2.4 Traffic Data

Figure 2 displays the distribution of network length based on functional class. Table 1 shows the traffic that was agreed on and provided by the village for each functional road class in addition to specific roads within the network. It can be seen that a "Jewel bump" was adopted to account for the future traffic increase when a Jewel store is opening in the area. A yearly growth rate of 3% was adopted for traffic evaluation purposes.



Figure 2. Village of Diamond's roadway network segmentation.

Table 1. Village of Diamond's roadway traffic distribution.

PMS Function Class or Route	Cars/day			Truck/day
	Original	Jewel "bump"	Total	
Residential	100	N/A	100	5
Collector	500	N/A	500	35
Arterial	500	N/A	500	35
Industrial	250	N/A	250	75
Berta Rd	1900	0	1900	190
Will Rd (north of IL 113)	325	0	325	32.5
Will Rd (south of IL 113)	1300	1000	2300	230
Spring Rd	1150	500	1650	165

3. FIELD DATA COLLECTION AND ASSESSMENT

3.1 Falling Weight Deflectometer (FWD) Testing

ARA collected georeferenced FWD data on the entire Village of Diamond roadway using the FWD equipment shown in Figure 3.



Figure 3. ARA performs structural evaluation with a truck-mounted FWD.

The FWD is an impulse-loading device that applies a dynamic load to the pavement surface by dropping a weight onto a circular loading plate placed on the pavement surface. By changing the weights and drop height, the load magnitude can be varied. ARA tested with an FWD configured with nine sensors spaced at 0, 8, 12, 18, 24, 36, and 60 inches from the load plate center, using two unrecorded seating drops followed by a series of drops at 6-, 9-, and 12-kip target loads. Figure 4 shows the deflection sensor configuration and illustrates a deflection basin created by the FWD.

ARA planned on conducting FWD testing at a frequency of 1/10th centerline mile in a single direction resulting in a total of around 130 drops. However, ARA collected **294 test points** resulting in a test around ever 0.04 miles.

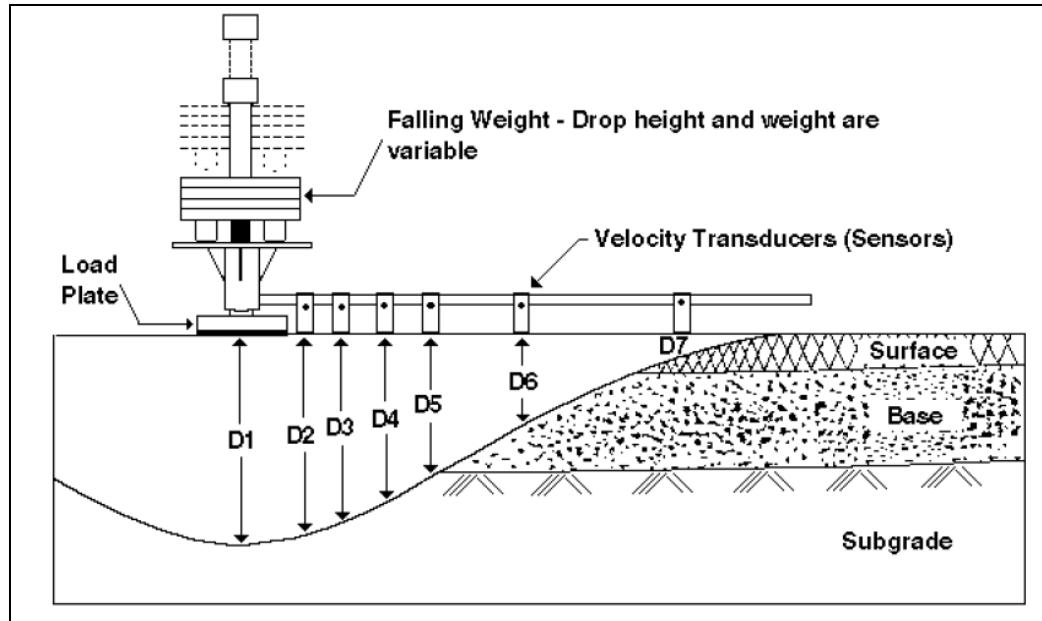


Figure 4. Schematic of FWD load plate and sensors.

3.2 Pavement Thickness and Coring

The Village of Diamond shared the construction history of S Will Rd which provided the pavement layer thicknesses for this specific road. ARA collected 8 cores to have a representative pavement thickness sample of the different pavement functional categories and areas within the network. The core locations selection was based on the pavement age map that the agency provided in addition to the functional and geographical location of the roads. Coring was conducted in August 2024 and inspected only the asphalt layer of the pavement. Layer thicknesses from coring was used in the FWD analysis task. Pavement core summary table and core picture are provided in Appendix A.

3.3 Pavement Structural Evaluation

The FWD test results will be analyzed using procedures detailed in the 1993 American Association of State Highway and Transportation Officials (AASHTO) Guide for Design of Pavement Structures.

Materials Characterization: The FWD results and the estimated layer thickness will be used to estimate the stiffness (strength) of the pavement at each of the test locations. Pavement layer stiffness backcalculation uses computer-based models to estimate layer elastic modulus values, given the layer thickness and FWD data.

Backcalculation of Pavement Layer Moduli (AASHTO Methodology): The pavement deflections measured with the FWD at specific distances from the load plate will be used to determine the structural properties of the pavement and subgrade through a process known as backcalculation. Backcalculation uses analytical pavement response models to predict deflections based on a set of given layer thickness and moduli.

The procedure as outlined in the AASHTO 1993 Guide for Design of Pavement Structures, Part III, Chapter 5, will be used to determine the properties of the as-constructed pavements. The resultant data will include the composite elastic modulus (E_p) for the combination of all engineered layers above the subgrade (e.g., the asphalt concrete and granular base/subbase), the subgrade resilient modulus (M_r), and effective structural number of the pavement (SN_{eff}).

Based on the assumed traffic condition, design life [assumed to be 10 years], and the growth rate a required structural number ($SN_{required}$) is calculated. A comparison between $SN_{required}$ and SN_{eff} was conducted for each FWD drop to evaluate if the structural pavement condition can meet the future traffic demand. This analysis was conducted on every FWD drop.

If the SN_{eff} did not meet the $SN_{required}$ AASHTO 93 recommend an Overlay Thickness (OT) for the pavement at each FWD drop. Additionally based on the traffic a Reaming Life (RL) was calculated for the pavement at each FWD. All the OT and RL were averaged per segment to provide the overall health of each pavement segment. Each FWD Drop and pavement segment OT and RL were color coded in a .KMZ file based on the Figure 5 color scheme.

OT value (inches)	RL value (years)	FWD Drop/Segment Color
0"	10 – 20 years	Good
>0"- 0.5"	5 – 10 years	Fair
>0.5"- 1"	2 – 5 years	Poor
>2"	0 – 2 years	Very Poor
N/A	N/A	Not tested

Figure 5. Pavement structural condition color scheme

It should be mentioned that the OT and the RL are not to be used for design as several assumptions (e.g., traffic, layer thickness) were made to obtain these values. Therefore, these outcomes should not be used for design or construction. Further project level investigation should be conducted to compliment the collected data and make a more refined and optimized decision on the type of maintenance or rehabilitation treatment.

It should also be noted that asphalt overlay might not be the most optimum treatment for all the roads of interest. However OT was used solely to provide a leveling ground therefore roads can be compared to the same scale of structural evaluation. Project level investigation should be conducted to better understand the mode of pavement failures and better optimize the maintenance and rehabilitation designs and treatments.

4. DATA ANALYSIS AND RESULTS

4.1 Geotechnical (layer properties and thicknesses)

For each FWD drop, ARA assigned an estimated asphalt and base thicknesses based on the segment pavement functional categories and areas within the network. These thicknesses were based on the reports shared by the village in addition to the coring that was conducted. These thicknesses were averaged over each segment as shown in Table 2. Core report can be found in Appendix A.

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Table 2. Average Estimated Pavement Layers Thickness Per Segment

Segment PID	Asphalt Thickness (in)	Base Thickness (in)	Segment PID	Asphalt Thickness (in)	Base Thickness (in)
DIAMOND::PERONACT::650	5	6	DIAMOND::REDMANST::130	5	6
DIAMOND::PERONACT::660	5	6	DIAMOND::MCGINTYS::140	5	6
DIAMOND::CrownCt::670	5	6	DIAMOND::MCGINTYS::150	5	6
DIAMOND::Marquise::680	5	6	DIAMOND::BERTARD::160	8.5	6
DIAMOND::RegentCt::690	5	6	DIAMOND::BERTARD::180	8.5	6
DIAMOND::RegentCt::700	5	6	DIAMOND::BERTARD::190	8.5	6
DIAMOND::EmeraldS::710	5	6	DIAMOND::BERTARD::210	8.5	6
DIAMOND::SPRINGRD::720	4.5	6	DIAMOND::BERTARD::220	8.5	6
DIAMOND::SPRINGRD::730	4.5	6	DIAMOND::HUGHST::240	5	6
DIAMOND::SKINNERS::750	5	6	DIAMOND::HUGHST::250	5	6
DIAMOND::GDYCORD::760	5	7	DIAMOND::WillRd::260	5	7
DIAMOND::CLARKST::770	5	6	DIAMOND::WillRd::270	5	7
DIAMOND::CLARKST::780	5	6	DIAMOND::PATMORES::280	5	6
DIAMOND::WALLST::800	5	6	DIAMOND::PATMORES::290	5	6
DIAMOND::WALLST::810	5	6	DIAMOND::DalyStS::300	5	6
DIAMOND::KEVIN::820	5	6	DIAMOND::DEWEYST::310	5	6
DIAMOND::PATMORE::830	5	6	DIAMOND::DEWEYST::320	5	6
DIAMOND::CURTISST::840	5	6	DIAMOND::DEWEYST::330	5	6
DIAMOND::CURTISST::850	5	6	DIAMOND::LAURALN::350	4	6
DIAMOND::SCHOOLST::860	5	6	DIAMOND::TINMANST::360	5	6
DIAMOND::REDMANST::870	5	6	DIAMOND::TINMANST::370	5	6
DIAMOND::CHERRYTR::880	5	6	DIAMOND::TINMANST::380	5	6
DIAMOND::TRACYST::890	5	6	DIAMOND::CALKEYST::390	5	6
DIAMOND::VILLAGES::610	4.5	6	DIAMOND::CALKEYST::400	5	6
DIAMOND::TINMANST::610	5	6	DIAMOND::CALKEYST::410	5	6
DIAMOND::ESTELLON::620	4.5	6	DIAMOND::CALKEYST::420	5	6
DIAMOND::STELLONS::590	5	6	DIAMOND::PEACHTRE::430	5	6
DIAMOND::STELLONS::600	5	6	DIAMOND::NCALKEYS::440	5	6
DIAMOND::GirotStE::610	5	6	DIAMOND::COUNTYLN::460	5	7
DIAMOND::BORDERST::620	5	6	DIAMOND::SCOUNTYL::470	5	7
DIAMOND::SANDSTON::630	4	6	DIAMOND::CRYSTALL::480	4	6
DIAMOND::TASHST::640	5	6	DIAMOND::AMBERLN::490	4	6
DIAMOND::BOARDERS::10	5	6	DIAMOND::AMBERCT::500	4	6
DIAMOND::FARMSTON::20	4	6	DIAMOND::HERITAGE::510	4	6
DIAMOND::SCHOOLST::30	5	6	DIAMOND::ROCKRIDG::520	4	6
DIAMOND::SCHOOLST::40	5	6	DIAMOND::BERTINOD::530	4	6
DIAMOND::DALYST::80	5	6	DIAMOND::Sterling::540	5	6
DIAMOND::DALYST::90	5	6	DIAMOND::STELLONS::550	5	6
DIAMOND::REDMANST::100	5	6	DIAMOND::STELLONS::560	5	6

Segment PID	Asphalt Thickness (in)	Base Thickness (in)	Segment PID	Asphalt Thickness (in)	Base Thickness (in)
DIAMOND::REDMANST::110	5	6	DIAMOND::STELLONS::570	5	6
DIAMOND::REDMANST::120	5	6			

4.2 FWD Testing Analysis And Results

The analysis was conducted as mentioned in Section 3. FWD analysis outcome (i.e., E_p , M_r , and SN_{eff}) can be found in Table 3. It should be noted that averaging these values from each FWD drop outcome to a segment is not the optimum practice to showcase the health of the pavement. However, this methodology is followed due to the lack of optimal visualization methodologies and best practices from a network level perspective. Therefore, these number might be misleading in some instances and should not be taken as is. Some E_p and SN_{eff} data are not presented due to the low or high number of average E_p which was misleading. However, the average OT and RL analysis was still conducted on these segments as they resulted in reasonable average results. Several factors can lead to an unreasonable average E_p (e.g, testing of highly distressed area, localized patching, uneven surface).

The average Structural Analysis outcome (i.e., OT, RL, and the $SN_{required}$) are shown in Table 4. It should be noted as the analysis was conducted on FWD drop level and averaged per segment. The $SN_{required}$, SN_{eff} , OT, and RL trends might not be compatible as this is dependent on the structural variability within the pavement segment.

Figure 6 and Figure 7 show a heat map of the Village of Diamond roadway network with individual FWD drops location according to RL and OT color schemes respectively. This heat map is a great tool to understand and plan on which roads need more attention than others and which need immediate intervention for a project level analysis. A KMZ folder is provided with this report showcasing the heat map is provided with this report.

Figure 8 and Figure 9 show a pie chart of the Village of Diamond roadway network according to RL and OT color schemes respectively. It can be seen that the majority of the network is in good structural condition, however several area need attention, whereas only around 0.8% of the network need immediate intervention.

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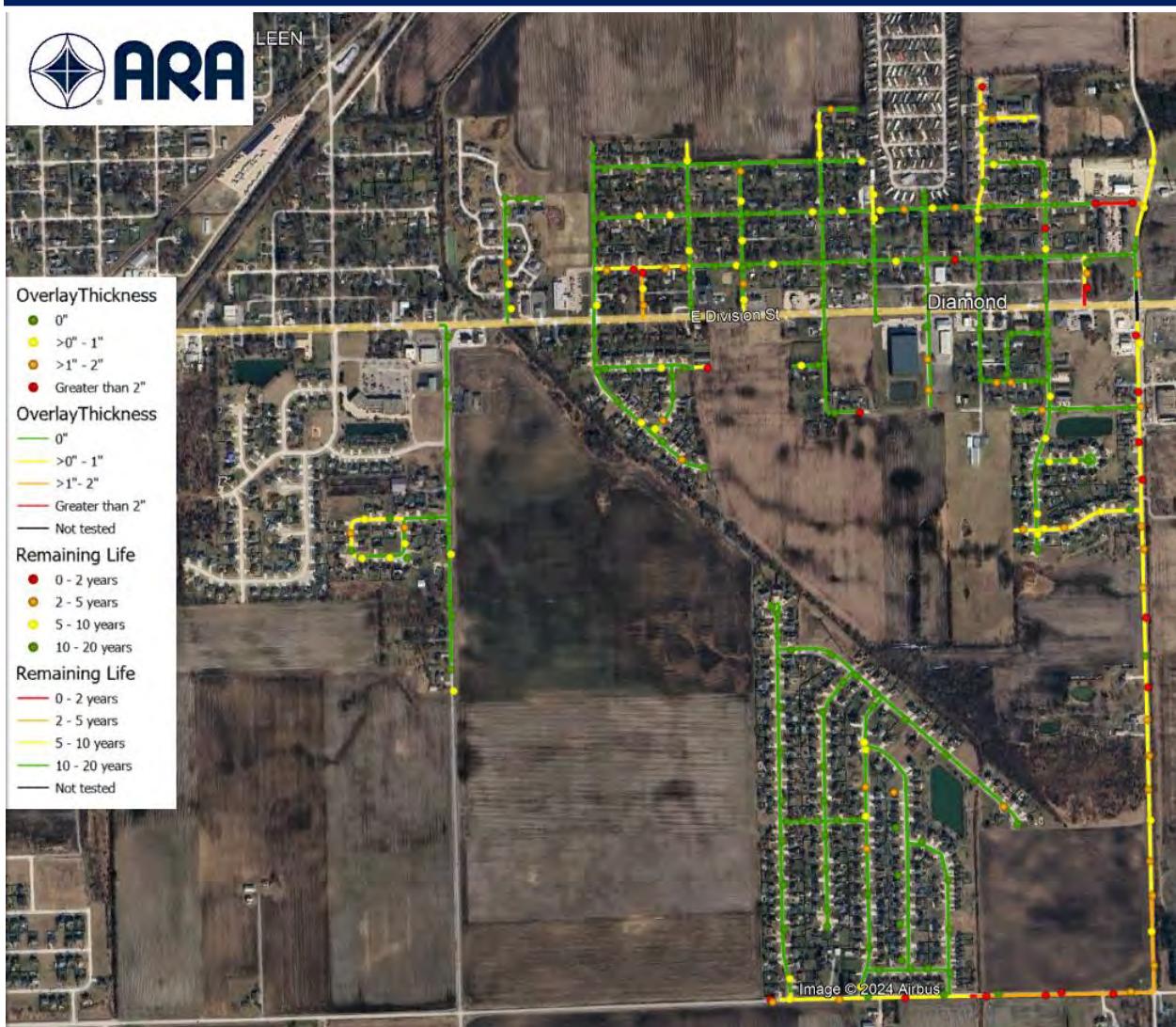


Figure 6. Network Heat Map Condition Based on RL (Points indicating individual FWD testing locations)

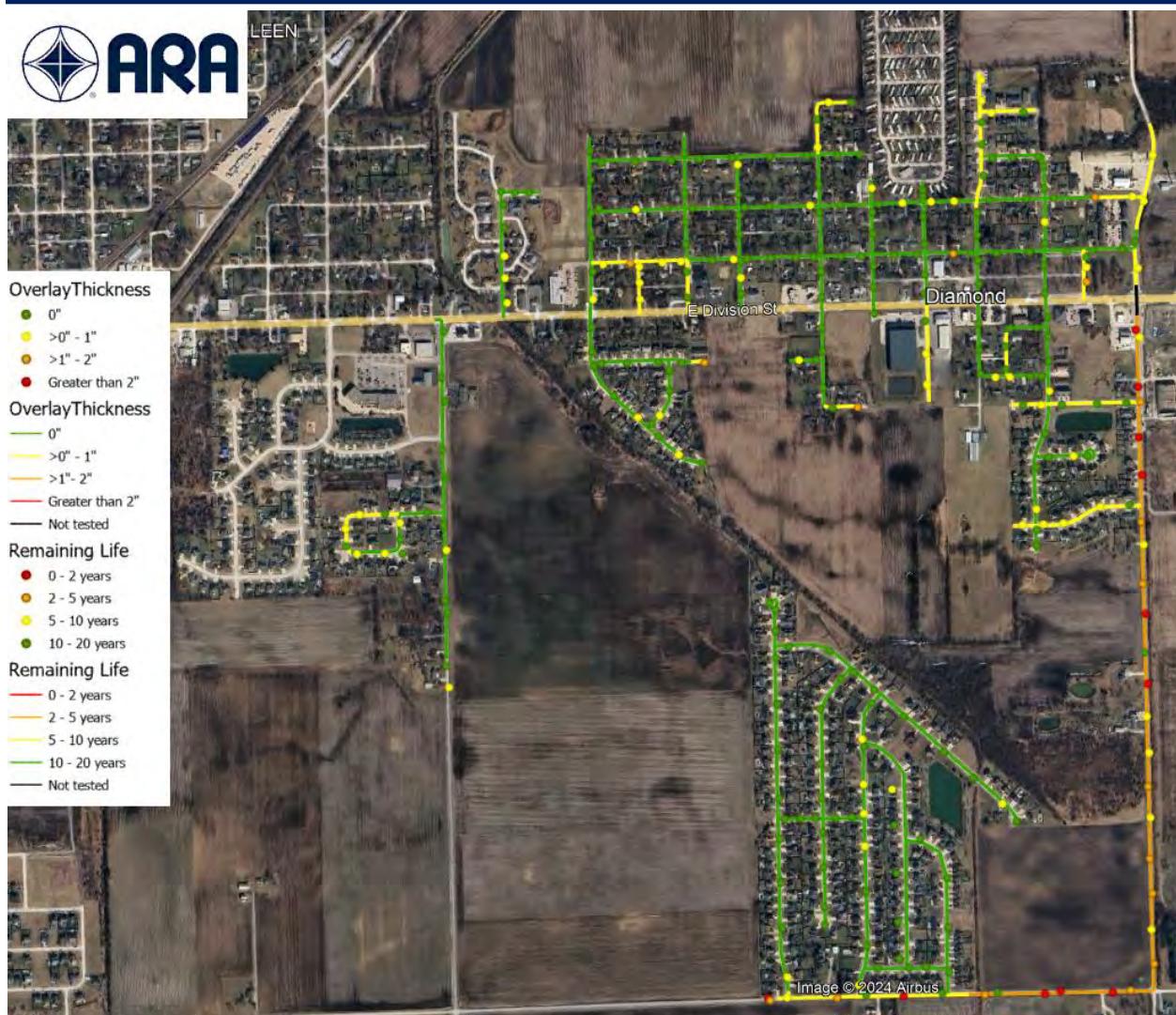


Figure 7. Network Heat Map Condition Based on OT (Points indicating individual FWD testing locations)

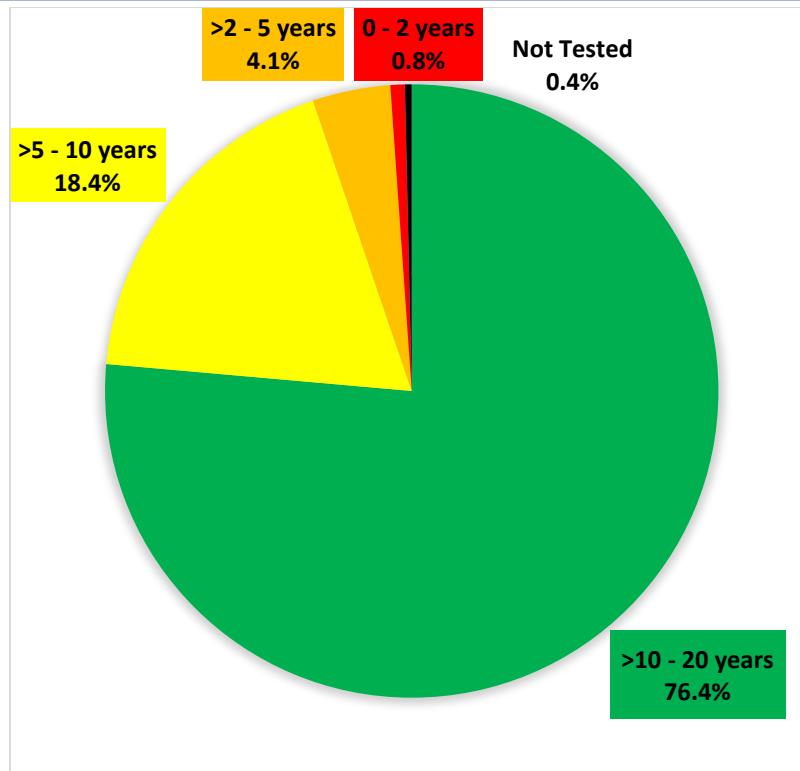


Figure 8. Network Pie Chart Based on RL.

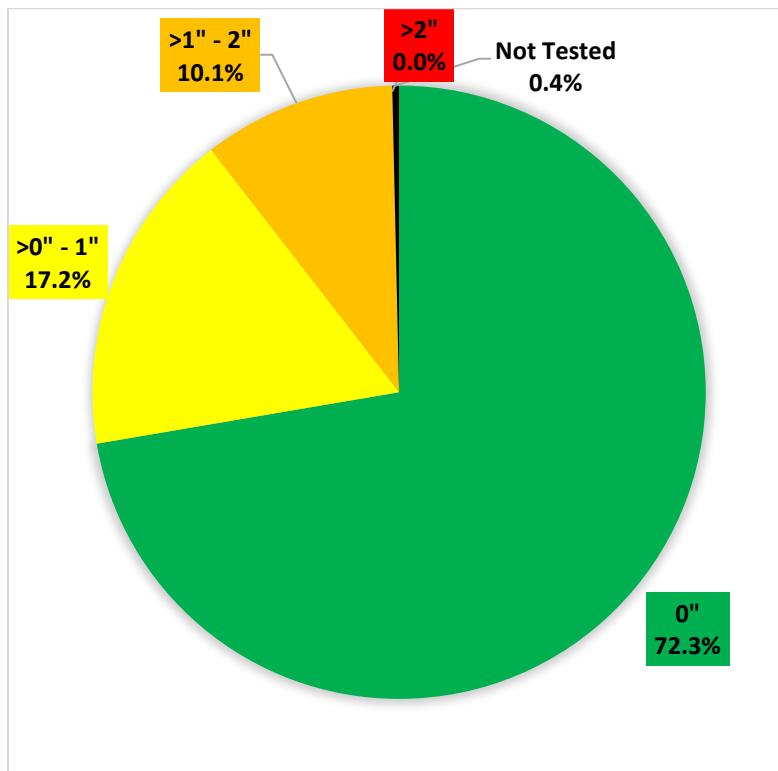


Figure 9. Network Pie Chart Based on OT

Table 3. FWD Analysis: Pavement Moduli (Ep), Subgrade Modulus (Mr), and SN_{eff} Per Segment.

Segment PID	Average Ep (psi)	Aver- age Mr (psi)	Ave- rage SN _{eff}	Segment PID	Average Ep (psi)	Aver- age Mr (psi)	Ave- rage SN _{eff}
DIAMOND::PERONACT::650	65,466.5	3,489.7	1.98	DIAMOND::REDMANST::130	56,750.3	2,848.0	1.89
DIAMOND::PERONACT::660	122,336.0	4,123.0	2.43	DIAMOND::MCGINTYS::140	111,266.6	4,085.5	2.20
DIAMOND::CrownCt::670	43,398.0	3,420.6	1.70	DIAMOND::MCGINTYS::150	79,954.8	3,849.6	2.00
DIAMOND::Marquise::680	29,962.0	3,896.0	1.53	DIAMOND::BERTARD::160	322,074.0	6,153.6	4.46
DIAMOND::RegentCt::690	47,043.0	3,702.6	1.79	DIAMOND::BERTARD::180	302,380.0	4,819.7	4.38
DIAMOND::RegentCt::700	41,473.0	3,829.3	1.70	DIAMOND::BERTARD::190	103,883.0	4,050.1	3.07
DIAMOND::EmeraldS::710	32,390.0	3,996.4	1.57	DIAMOND::BERTARD::210	270,729.0	4,758.1	4.22
DIAMOND::SPRINGRD::720	177,080.0	4,323.4	2.58	DIAMOND::BERTARD::220	144,433.6	4,435.2	3.36
DIAMOND::SPRINGRD::730	112,114.0	4,592.9	2.21	DIAMOND::HUGHST::240	44,627.7	4,013.6	1.75
DIAMOND::SKINNERS::750	37,577.7	3,406.1	1.64	DIAMOND::HUGHST::250	64,380.0	3,431.7	1.96
DIAMOND::GDYCORD::760	38,822.0	3,530.7	1.83	DIAMOND::WillRd::260	127,893.0	3,790.6	2.72
DIAMOND::CLARKST::770		4,300.8		DIAMOND::WillRd::270	54,083.0	4,334.8	2.05
DIAMOND::CLARKST::780	67,761.5	3,592.9	1.96	DIAMOND::PATMORES::280	43,932.5	2,750.3	1.74
DIAMOND::WALLST::800	35,898.0	3,032.0	1.63	DIAMOND::PATMORES::290		5,292.4	
DIAMOND::WALLST::810	37,829.2	3,772.4	1.65	DIAMOND::DalyStS::300	38,359.0	3,469.6	1.65
DIAMOND::KEVIN::820	60,807.7	3,313.6	1.88	DIAMOND::DEWEYST::310	97,221.0	4,187.7	2.22
DIAMOND::PATMORE::830	35,638.0	2,697.4	1.63	DIAMOND::DEWEYST::320	41,176.3	4,355.1	1.71
DIAMOND::CURTISST::840	46,649.0	3,918.6	1.78	DIAMOND::DEWEYST::330	36,792.0	3,380.0	1.65
DIAMOND::CURTISST::850		4,131.3		DIAMOND::LAURALN::350	101,689.3	5,136.0	2.08
DIAMOND::SCHOOLST::860	54,717.7	4,278.5	1.84	DIAMOND::TINMANST::360	28,768.0	5,190.1	1.52
DIAMOND::REDMANST::870	30,944.0	3,816.8	1.55	DIAMOND::TINMANST::370	43,774.7	3,672.5	1.74
DIAMOND::CHERRYTR::880	28,075.5	4,038.7	1.51	DIAMOND::TINMANST::380	33,968.0	3,684.5	1.60
DIAMOND::TRACYST::890	48,460.0	3,932.9	1.80	DIAMOND::CALKEYST::390	60,482.0	3,364.4	1.94
DIAMOND::VILLAGES::610	39,605.6	3,368.0	1.60	DIAMOND::CALKEYST::400	51,243.7	4,126.4	1.82
DIAMOND::TINMANST::610	56,755.0	3,462.4	1.90	DIAMOND::CALKEYST::410	34,608.0	4,017.9	1.61
DIAMOND::ESTELLON::620	61,742.3	5,381.1	1.86	DIAMOND::CALKEYST::420	49,279.0	3,294.6	1.81
DIAMOND::STELLONS::590	45,704.3	4,030.6	1.74	DIAMOND::PEACHTRE::430	62,069.0	3,710.9	1.92
DIAMOND::STELLONS::600	52,333.7	4,456.9	1.85	DIAMOND::NCALKEYS::440	40,990.5	4,178.0	1.71
DIAMOND::GirotStE::610	39,637.8	4,678.7	1.63	DIAMOND::COUNTYLN::460	99,076.6	4,283.4	2.43
DIAMOND::BORDERST::620	85,224.5	4,303.7	2.15	DIAMOND::SCOUNTYL::470	105,892.3	4,166.7	2.54
DIAMOND::SANDSTON::630	142,325.0	6,661.1	2.34	DIAMOND::CRYSTALL::480	111,398.3	6,487.1	2.15
DIAMOND::TASHST::640	26,694.0	3,326.2	1.48	DIAMOND::AMBERLN::490	83,142.0	4,974.3	1.94
DIAMOND::BOARDERS::10	63,671.0	3,958.7	1.98	DIAMOND::AMBERCT::500	56,013.0	6,805.5	1.70
DIAMOND::FARMSTON::20	88,244.0	7,468.7	1.98	DIAMOND::HERITAGE::510	61,198.7	7,303.8	1.69
DIAMOND::SCHOOLST::30	64,378.3	3,771.0	1.96	DIAMOND::ROCKRIDG::520	110,768.7	6,806.9	2.16
DIAMOND::SCHOOLST::40	70,612.3	3,535.0	2.02	DIAMOND::BERTINOD::530	131,327.0	6,290.1	2.27
DIAMOND::DALYST::80	112,461.8	3,913.8	2.38	DIAMOND::Sterling::540	40,748.0	4,745.4	1.68
DIAMOND::DALYST::90	980,544.0	2,362.5	4.92	DIAMOND::STELLONS::550	40,521.3	3,508.2	1.67

Segment PID	Average Ep (psi)	Aver-age Mr (psi)	Ave-rage SN _{eff}	Segment PID	Average Ep (psi)	Aver-age Mr (psi)	Ave-rage SN _{eff}
DIAMOND::REDMANST::100	66,544.0	2,889.2	2.01	DIAMOND::STELLONS::560		3,840.6	
DIAMOND::REDMANST::110	82,729.7	3,525.5	2.11	DIAMOND::STELLONS::570		4,203.3	
DIAMOND::REDMANST::120	54,311.0	3,553.2	1.87				

Table 4. Structural Analysis: SN_{required}, Overlay Thickness (OT), And Remaining Life (RL) Per Segment.

Segment PID	SN _{required}	OT (in)	RL (years)	Segment PID	SN _{required}	OT (in)	RL (years)
DIAMOND::PERONACT::650	1.7	0	16.8	DIAMOND::REDMANST::130	1.7	0	17.3
DIAMOND::PERONACT::660	1.7	0.5	13.4	DIAMOND::MCGINTYS::140	1.7	0	15.6
DIAMOND::CrownCt::670	1.7	0	10.9	DIAMOND::MCGINTYS::150	1.7	0	14.9
DIAMOND::Marquise::680	1.7	0	11.4	DIAMOND::BERTARD::160	3.0	0	20
DIAMOND::RegentCt::690	1.7	0	13.1	DIAMOND::BERTARD::180	3.0	0	15.5
DIAMOND::RegentCt::700	1.7	0.5	8.7	DIAMOND::BERTARD::190	3.0	0	11
DIAMOND::EmeraldS::710	1.7	0.5	7.9	DIAMOND::BERTARD::210	3.0	0	20
DIAMOND::SPRINGRD::720	3.0	1	5.9	DIAMOND::BERTARD::220	3.0	0	14.4
DIAMOND::SPRINGRD::730	3.0	2	3.3	DIAMOND::HUGHST::240	1.7	0	13.2
DIAMOND::SKINNERS::750	1.7	0	12.4	DIAMOND::HUGHST::250	1.7	0	13.6
DIAMOND::GDYCORD::760	2.3	0.5	14.4	DIAMOND::WillRd::260	2.3	0	20
DIAMOND::CLARKST::770	1.7	1	7.6	DIAMOND::WillRd::270	2.3	0.5	8.6
DIAMOND::CLARKST::780	1.7	0	15.8	DIAMOND::PATMORES::280	1.7	0	13.6
DIAMOND::WALLST::800	1.7	0	7.2	DIAMOND::PATMORES::290	1.7	1	7
DIAMOND::WALLST::810	1.7	0	12.3	DIAMOND::DalyStS::300	1.7	0.5	11.5
DIAMOND::KEVIN::820	1.7	0	11.1	DIAMOND::DEWEYST::310	1.7	0.5	14
DIAMOND::PATMORE::830	1.7	0	10.5	DIAMOND::DEWEYST::320	1.7	0	13.2
DIAMOND::CURTISST::840	1.7	0.5	9.8	DIAMOND::DEWEYST::330	1.7	0	9.5
DIAMOND::CURTISST::850	1.7	1	1.9	DIAMOND::LAURALN::350	1.7	0	17.9
DIAMOND::SCHOOLST::860	1.7	0.5	10	DIAMOND::TINMANST::360	1.7	0	8.4
DIAMOND::REDMANST::870	1.7	0.5	9.4	DIAMOND::TINMANST::370	1.7	0	15.6
DIAMOND::CHERRYTR::880	1.7	0.5	9.4	DIAMOND::TINMANST::380	1.7	0	9.5
DIAMOND::TRACYST::890	1.7	0.5	11	DIAMOND::CALKEYST::390	1.7	0	17.2
DIAMOND::VILLAGES::610	1.7	0	11.5	DIAMOND::CALKEYST::400	1.7	0	13
DIAMOND::TINMANST::610	1.7	0	20	DIAMOND::CALKEYST::410	1.7	0	10.4
DIAMOND::ESTELLON::620	1.7	0	16.8	DIAMOND::CALKEYST::420	1.7	0	16.8
DIAMOND::STELLONS::590	1.7	0	14.9	DIAMOND::PEACHTRE::430	1.7	0	14.9
DIAMOND::STELLONS::600	1.7	0	12.8	DIAMOND::NCALKEYS::440	1.7	0	16
DIAMOND::GirotStE::610	1.7	0.5	8.3	DIAMOND::COUNTYLN::460	3.1	1.5	5.2
DIAMOND::BORDERST::620	1.7	0.5	13.6	DIAMOND::SCOUNTYL::470	3.1	1.5	3.8
DIAMOND::SANDSTON::630	1.7	0	14.8	DIAMOND::CRYSTALL::480	1.7	0	19.9
DIAMOND::TASHST::640	1.7	1	3.2	DIAMOND::AMBERLN::490	1.7	0	18.1
DIAMOND::BOARDERS::10	1.7	1	10.8	DIAMOND::AMBERCT::500	1.7	0	14.5
DIAMOND::FARMSTON::20	1.7	0	16.7	DIAMOND::HERITAGE::510	1.7	0	12.6
DIAMOND::SCHOOLST::30	1.7	0	18.2	DIAMOND::ROCKRIDG::520	1.7	0	20
DIAMOND::SCHOOLST::40	1.7	0	16.4	DIAMOND::BERTINOD::530	1.7	0	17.9
DIAMOND::DALYST::80	1.7	0	18.3	DIAMOND::Sterling::540	1.7	0	12.1
DIAMOND::DALYST::90	1.7	0	15.4	DIAMOND::STELLONS::550	1.7	0	13.5

Segment PID	SN _{required}	OT (in)	RL (years)	Segment PID	SN _{required}	OT (in)	RL (years)
DIAMOND::REDMANST::100	1.7	0	19.4	DIAMOND::STELLONS::560	1.7	1	4
DIAMOND::REDMANST::110	1.7	0	15.7	DIAMOND::STELLONS::570	1.7	1	1.7
DIAMOND::REDMANST::120	1.7	0	19.6				

5. APPENDIX A: CORE REPORT

Below is the reporting and photos sequence of the cores

ARA Core ID	Road Name	Direction	Latitude	Longitude
DM-01	S Berta Rd	Southbound	41.285213	-88.266220
DM-02	S Heritage Dr	Southbound	41.278568	-88.254574
DM-03	E Stellon St	Westbound	41.290529	-88.256774
DM-04	E Spring Rd	Eastbound	41.274205	-88.251114
DM-05	S Daly St	Southbound	41.287135	-88.252832
DM-06	E Stellon St	Westbound	41.290826	-88.264164
OP-DM-01	E Stellon St	Westbound	41.290691	-88.250470
OP-DM-02	S Laura Ln	Northbound	41.278456	-88.256872

ARA Core ID	Road Name	Direction	Latitude	Longitude	Total Thickness (in)	Pavement Type	Layer 1	Layer 2	L2 Status
DM-01	S Berta Rd	Southbound	41.285213	-88.266220	8.50	AC	8.50		
DM-02	S Heritage Dr	Southbound	41.278568	-88.254574	4.50	AC	4.50		
DM-03	E Stellon St	Westbound	41.290529	-88.256774	7.50	AC	6.50	1.00	Disjointed
DM-04	E Spring Rd	Eastbound	41.274205	-88.251114	4.50	AC	1.50	3.00	Unbonded
DM-05	S Daly St	Southbound	41.287135	-88.252832	4.50	AC	4.50		
DM-06	E Stellon St	Westbound	41.290826	-88.264164	4.50	AC	4.50		
OP-DM-01	E Stellon St	Westbound	41.290691	-88.250470	3.50	AC	3.50		
OP-DM-02	S Laura Ln	Northbound	41.278456	-88.256872	3.25	AC	3.25		

JOHNSON®

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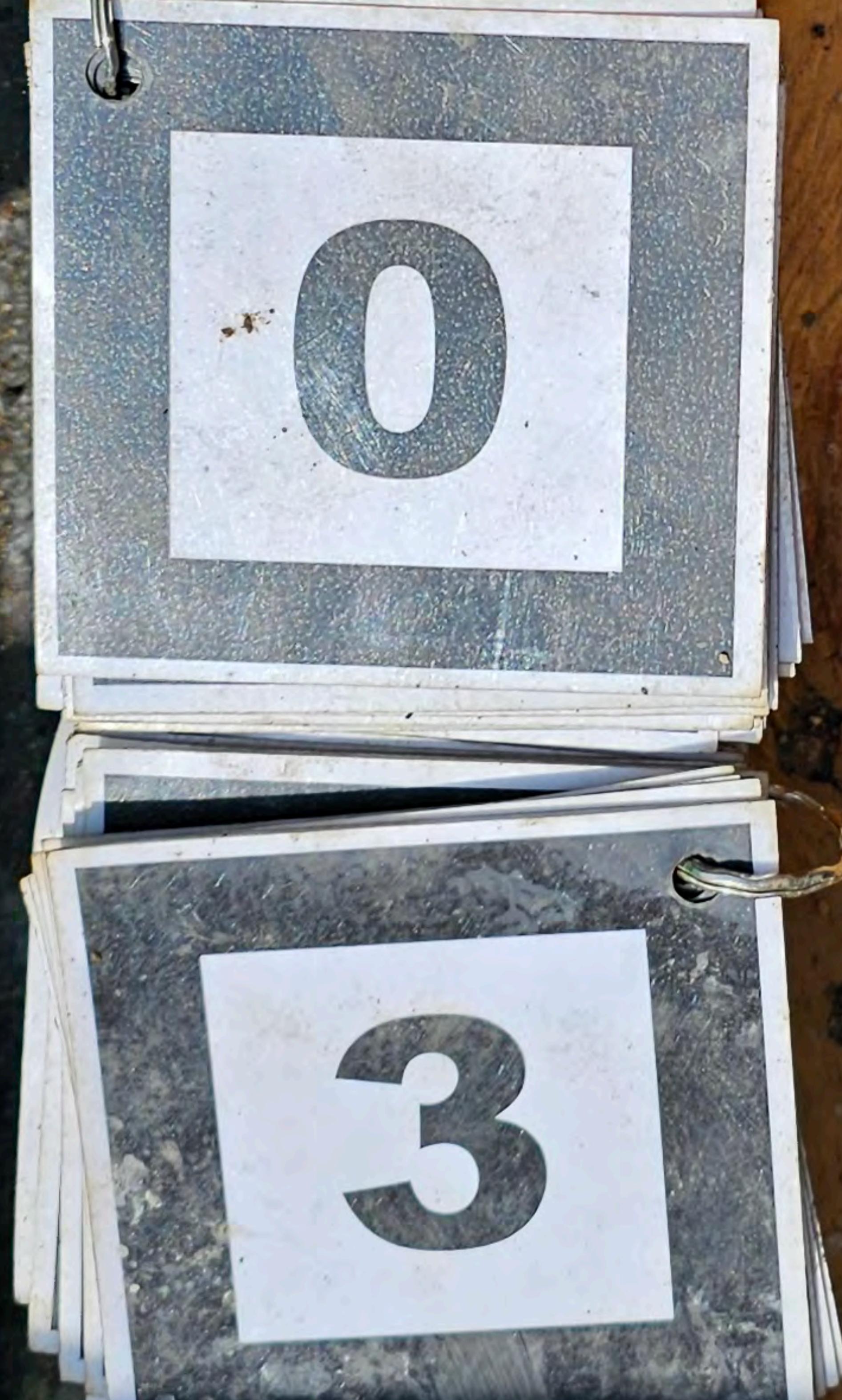
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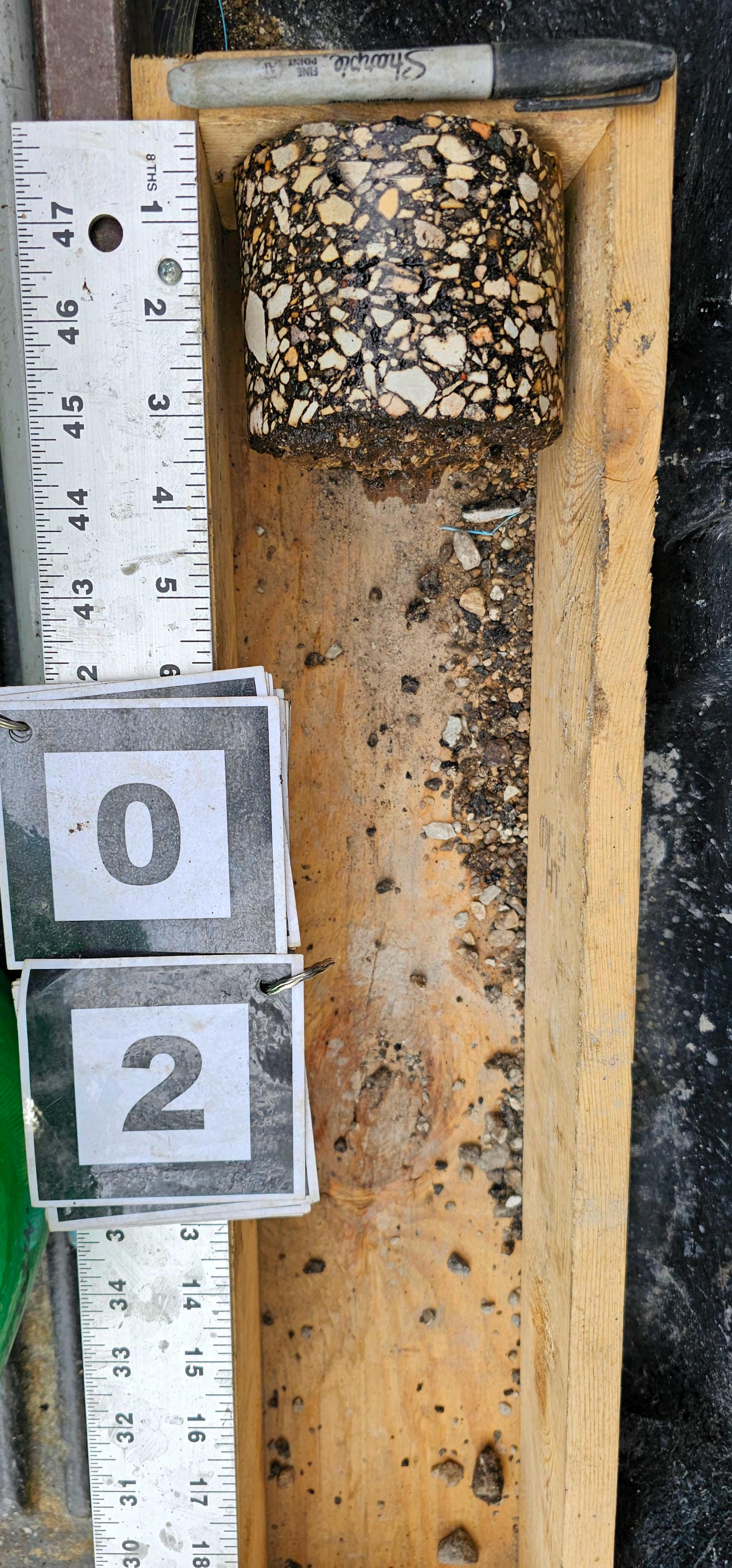
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6. APPENDIX B: FWD DROPS RAW DEFLECTION DATA

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1749	Diamond	07-19_CM	11	0.02	NB	AC	1	6,428	29.16	23.06	19.44	14.25	10.11	4.85	2.71	2.20	20.16	80	85	10:15 AM	7/19/2024	MeadowLn		41.288519	-88.264416	
1749	Diamond	07-19_CM	11	0.02	NB	AC	2	8,413	39.16	31.26	26.42	19.44	13.79	6.51	3.53	2.88	27.02	80	85	10:15 AM	7/19/2024	MeadowLn		41.288519	-88.264416	
1749	Diamond	07-19_CM	11	0.02	NB	AC	3	11,124	52.90	42.77	36.26	26.78	19.03	8.84	4.67	3.88	36.70	80	85	10:15 AM	7/19/2024	MeadowLn		41.288519	-88.264416	
1750	Diamond	07-19_CM	12	0.056	NB	AC	1	6,518	38.76	31.95	26.90	19.67	14.03	6.79	3.76	2.90	26.59	102	80	10:16 AM	7/19/2024	Meadow		41.289031	-88.264473	
1750	Diamond	07-19_CM	12	0.056	NB	AC	2	8,499	51.59	42.95	36.30	26.73	19.11	9.20	5.06	4.00	35.67	102	80	10:16 AM	7/19/2024	Meadow		41.289031	-88.264473	
1750	Diamond	07-19_CM	12	0.056	NB	AC	3	10,977	67.91	56.94	48.36	35.68	25.47	11.98	6.34	4.95	47.22	102	80	10:16 AM	7/19/2024	Meadow		41.289031	-88.264473	
1751	Diamond	07-19_CM	13	0.087	NB	AC	1	6,562	34.26	28.10	23.26	16.57	11.24	4.87	2.73	2.40	22.88	88	90	10:16 AM	7/19/2024	Meadow		41.289487	-88.264486	
1751	Diamond	07-19_CM	13	0.087	NB	AC	2	8,744	46.43	38.30	31.82	22.77	15.49	6.61	3.62	3.30	31.18	88	90	10:16 AM	7/19/2024	Meadow		41.289487	-88.264486	
1751	Diamond	07-19_CM	13	0.087	NB	AC	3	11,245	61.06	50.51	42.04	30.12	20.47	8.49	4.46	4.18	41.32	88	90	10:16 AM	7/19/2024	Meadow		41.289487	-88.264486	
1752	Diamond	07-19_CM	14	0.128	NB	AC	1	6,562	22.86	18.11	14.87	10.56	7.35	3.55	2.18	1.93	15.03	97	86	10:17 AM	7/19/2024	MeadowLn		41.290079	-88.264504	
1752	Diamond	07-19_CM	14	0.128	NB	AC	2	8,910	31.02	24.68	20.32	14.46	10.05	4.73	2.83	2.53	20.42	97	86	10:17 AM	7/19/2024	MeadowLn		41.290079	-88.264504	
1752	Diamond	07-19_CM	14	0.128	NB	AC	3	11,354	40.61	32.42	26.73	19.06	13.25	6.13	3.61	3.32	26.83	97	86	10:17 AM	7/19/2024	MeadowLn		41.290079	-88.264504	
1753	Diamond	07-19_CM	15	0.162	NB	AC	1	6,639	18.15	13.58	10.92	7.65	5.40	2.97	1.98	1.65	10.93	97	85	10:18 AM	7/19/2024	Meadow		41.290558	-88.264519	
1753	Diamond	07-19_CM	15	0.162	NB	AC	2	8,897	25.04	18.78	15.04	10.50	7.39	3.99	2.63	2.20	14.91	97	85	10:18 AM	7/19/2024	Meadow		41.290558	-88.264519	
1753	Diamond	07-19_CM	15	0.162	NB	AC	3	11,188	32.49	24.55	19.63	13.68	9.59	5.09	3.35	2.85	19.40	97	85	10:18 AM	7/19/2024	Meadow		41.290558	-88.264519	
1754	Diamond	07-19_CM	16	0.001	WB	AC	1	6,409	20.13	13.95	11.35	8.09	5.78	3.23	2.14	1.63	13.13	92	76	10:19 AM	7/19/2024	V_B_Stellon		41.290811	-88.263813	
1754	Diamond	07-19_CM	16	0.001	WB	AC	2	8,671	28.64	20.07	16.34	11.60	8.21	4.47	2.90	2.19	18.37	92	76	10:19 AM	7/19/2024	V_B_Stellon		41.290811	-88.263813	
1754	Diamond	07-19_CM	16	0.001	WB	AC	3	11,229	39.34	27.92	22.66	16.04	11.26	5.98	3.80	2.86	24.92	92	76	10:19 AM	7/19/2024	V_B_Stellon		41.290811	-88.263813	
1755	Diamond	07-19_CM	17	0.021	WB	AC	1	6,591	19.39	14.78	11.86	8.33	5.93	3.36	2.25	1.82	11.92	92	78	10:20 AM	7/19/2024	V_B_StellonSt		41.290803	-88.264209	
1755	Diamond	07-19_CM	17	0.021	WB	AC	2	8,961	27.67	21.18	16.94	11.82	8.30	4.51	2.93	2.34	16.89	92	78	10:20 AM	7/19/2024	V_B_StellonSt		41.290803	-88.264209	
1755	Diamond	07-19_CM	17	0.021	WB	AC	3	11,348	37.67	28.87	23.09	16.05	11.17	5.88	3.74	3.04	22.98	92	78	10:20 AM	7/19/2024	V_B_StellonSt		41.290803	-88.264209	
1756	Diamond	07-19_CM	18	0.042	WB	AC	1	6,572	12.76	9.51	7.53	5.15	3.56	1.97	1.43	1.23	7.81	95	76	10:20 AM	7/19/2024	V_B_StellonSt		41.290834	-88.264591	
1756	Diamond	07-19_CM	18	0.042	WB	AC	2	8,837	16.84	12.65	10.04	6.88	4.75	2.59	1.84	1.58	10.30	95	76	10:20 AM	7/19/2024	V_B_StellonSt		41.290834	-88.264591	
1756	Diamond	07-19_CM	18	0.042	WB	AC	3	11,229	21.95	16.47	13.08	8.95	6.17	3.33	2.36	2.04	13.38	95	76	10:20 AM	7/19/2024	V_B_StellonSt		41.290834	-88.264591	
1757	Diamond	07-19_CM	19	0.013	EB	AC	1	6,435	21.74	17.47	14.74	11.03	8.15	4.45	2.51	1.68	14.55	94	76	10:23 AM	7/19/2024	B_Patmore		41.287258	-88.261805	
1757	Diamond	07-19_CM	19	0.013	EB	AC	2	8,744	30.93	25.24	21.48	16.24	12.09	6.55	3.62	2.41	21.11	94	76	10:23 AM	7/19/2024	B_Patmore		41.287258	-88.261805	
1757	Diamond	07-19_CM	19	0.013	EB	AC	3	11,446	41.63	34.19	29.29	22.35	16.74	8.98	4.80	3.09	28.84	94	76	10:23 AM	7/19/2024	B_Patmore		41.287258	-88.261805	
1758	Diamond	07-19_CM	20	0.05	EB	AC	1	6,294	29.60	24.41	20.65	15.40	10.99	5.44	2.64	1.62	20.04	97	79	10:24 AM	7/19/2024	B_PatmoreSt		41.287269	-88.261099	
1758	Diamond	07-19_CM	20	0.05	EB	AC	2	8,642	42.15	35.05	29.89	22.51	16.19	8.02	3.82	2.35	29.08	97	79	10:24 AM	7/19/2024	B_PatmoreSt		41.287269	-88.261099	
1758	Diamond	07-19_CM	20	0.05	EB	AC	3	11,191	56.56	47.28	40.60	30.75	22.25	10.99	5.09	3.03	39.69	97	79	10:24 AM	7/19/2024	B_PatmoreSt		41.287269	-88.261099	
1759	Diamond	07-19_CM	21	0.095	EB	AC	1	6,345	27.44	21.10	17.01	11.71	8.05	3.85	2.15	1.64	17.66	96	83	10:24 AM	7/19/2024	B_PatmoreSt		41.287286	-88.260241	
1759	Diamond	07-19_CM	21	0.095	EB	AC	2	8,783	39.79	31.01	25.43	17.59	12.18	5.75	3.11	2.41	26.28	96	83	10:24 AM	7/19/2024	B_PatmoreSt		41.287286	-88.260241	
1759	Diamond	07-19_CM	21	0.095	EB	AC	3	11,223	51.71	40.80	33.71	23.63	16.45	7.64	3.96	3.06	34.99	96	83	10:24 AM	7/19/2024	B_PatmoreSt		41.287286	-88.260241	
1760	Diamond	07-19_CM	22	0.129	EB	AC	1	6,294	28.62	22.57	18.95	14.04	10.28	5.41	2.89	1.85	19.57	95	86	10:25 AM	7/19/2024	B_PatmoreSt		41.287277	-88.259606	
1760	Diamond	07-19_CM	22	0.129	EB	AC	2	8,748	41.97	33.56	28.38	21.20	15.62	8.25	4.37	2.80	28.96	95	86	10:25 AM	7/19/2024	B_PatmoreSt		41.287277	-88.259606	
1760	Diamond	07-19_CM	22	0.129	EB	AC	3	11,229	56.13	45.59	38.78	29.13	21.57	11.34	5.85	3.57	39.24	95	86	10:25 AM	7/19/2024	B_PatmoreSt		41.287277	-88.259606	
1761	Diamond	07-19_CM	24	0.163	EB	AC	1	6,176	45.49	31.11	22.69	13.10	7.16	2.53	1.97	1.92	26.76	95	87	10:26 AM	7/19/2024	B_Patmore		41.287280	-88.258958	
1761	Diamond	07-19_CM	24	0.163	EB	AC	2	8,540	63.80	45.16	33.47	19.64	10.84	3.55	2.70	2.74	37.93	95	87	10:26 AM	7/19/2024	B_Patmore	ND 7-8,	41.287280	-88.258958	
1761	Diamond	07-19_CM	24	0.163	EB	AC	3	11,335	84.66	63.03	47.50	28.15	15.52	4.66	3.42	3.68	51.33	95	87	10:26 AM	7/19/2024	B_Patmore	ND 7-8,	41.287280	-88.258958	
1762	Diamond	07-19_CM	25	0.231	SB	AC	1	6,514	29.39	23.74	19.96	14.57	10.38	5.07	2.54	1.73	20.27	97	81	10:28 AM	7/19/2024	B_KevinDr		41.287113	-88.259925	
1762	Diamond	07-19_CM	25	0.231	SB	AC	2	9,076	42.08	34.63	29.44	21.72	15.63	7.66	3.77	2.51	29.42	97	81	10:28 AM	7/19/2024	B_KevinDr		41.287113	-88.259925	
1762	Diamond	07-19_CM	25	0.231	SB	AC	3	11,730	55.48	46.31	39.68	29.60	21.43	10.55	5.08	3.22	39.12	97	81	10:28 AM	7/19/2024	B_KevinDr		41.287113	-88.259925	
1763	Diamond	07-19_CM	26	0.26	SB	AC	1	6,642	13.74	11.04	9.34	6.99	5.22	3.02	1.93	1.45	9.73	95	87	10:28 AM	7/19/2024	B_KevinD		41.286691	-88.259927	
1763	Diamond	07-19_CM	26	0.26	SB	AC	2	9,118	19.44	15.68	13.30	9.99	7.49	4.34	2.77	2.11	13.90	95	87	10:28 AM	7/19/2024	B_KevinD		41.286691	-88.259927	
1763	Diamond	07-19_CM	26	0.26	SB	AC	3	11,998	25.90	20.94	17.78	13.38	10.01	5.73	3.56	2.68	18.70	95	87	10:28 AM	7/19/2024	B_KevinD</				

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1769	Diamond 07-19_CM.	33	0.55	NB	AC	3	11,351	50.59	38.66	31.38	21.41	13.99	5.47	2.28	2.19	30.39	99	93	10:33 AM	7/19/2024B	McGinty		41.286142	-88.260800		
1770	Diamond 07-19_CM.	34	0.597	NB	AC	1	6,368	20.47	14.07	11.28	7.97	5.72	3.38	2.33	1.81	14.90	77	83	10:34 AM	7/19/2024B	McGinty		41.286588	-88.261461		
1770	Diamond 07-19_CM.	34	0.597	NB	AC	2	8,770	28.40	20.43	16.60	11.84	8.53	4.97	3.39	2.65	20.29	77	83	10:34 AM	7/19/2024B	McGinty		41.286588	-88.261461		
1770	Diamond 07-19_CM.	34	0.597	NB	AC	3	11,494	38.15	28.13	22.88	16.40	11.77	6.68	4.44	3.42	26.79	77	83	10:34 AM	7/19/2024B	McGinty		41.286588	-88.261461		
1771	Diamond 07-19_CM.	35	0.65	NB	AC	1	6,712	11.80	9.58	7.97	6.02	4.62	2.93	2.02	1.52	6.96	101	85	10:35 AM	7/19/2024B	McGintySt		41.287205	-88.262024		
1771	Diamond 07-19_CM.	35	0.65	NB	AC	2	9,185	16.65	13.60	11.36	8.59	6.58	4.12	2.81	2.13	9.98	101	85	10:35 AM	7/19/2024B	McGintySt		41.287205	-88.262024		
1771	Diamond 07-19_CM.	35	0.65	NB	AC	3	11,708	21.44	17.73	14.93	11.37	8.73	5.40	3.58	2.67	13.20	101	85	10:35 AM	7/19/2024B	McGintySt		41.287205	-88.262024		
1772	Diamond 07-19_CM.	36	0.671	NB	AC	1	6,610	16.15	13.04	10.53	7.35	5.15	2.93	2.01	1.59	9.61	101	86	10:35 AM	7/19/2024B	McGinty		41.287505	-88.262065		
1772	Diamond 07-19_CM.	36	0.671	NB	AC	2	8,926	21.99	17.87	14.56	10.25	7.19	4.00	2.73	2.16	13.41	101	86	10:35 AM	7/19/2024B	McGinty		41.287505	-88.262065		
1772	Diamond 07-19_CM.	36	0.671	NB	AC	3	11,434	28.33	23.16	18.96	13.41	9.40	5.12	3.41	2.73	17.63	101	86	10:35 AM	7/19/2024B	McGinty		41.287505	-88.262065		
1773	Diamond 07-19_CM.	37	0.706	NB	AC	1	6,476	15.58	12.56	10.26	7.24	5.25	3.21	2.32	1.84	9.81	101	91	10:36 AM	7/19/2024B	McGinty		41.288017	-88.262078		
1773	Diamond 07-19_CM.	37	0.706	NB	AC	2	8,958	22.25	18.08	14.86	10.57	7.70	4.68	3.40	2.75	14.22	101	91	10:36 AM	7/19/2024B	McGinty		41.288017	-88.262078		
1773	Diamond 07-19_CM.	37	0.706	NB	AC	3	11,552	28.86	23.52	19.39	13.85	10.06	5.98	4.26	3.41	18.65	101	91	10:36 AM	7/19/2024B	McGinty		41.288017	-88.262078		
1774	Diamond 07-19_CM.	38	0.02	NB	AC	1	6,224	30.35	22.75	17.66	11.80	7.96	3.91	2.64	2.26	17.75	102	91	10:36 AM	7/19/2024B	McGintySt		41.288588	-88.262041		
1774	Diamond 07-19_CM.	38	0.02	NB	AC	2	8,681	42.76	32.58	25.49	17.22	11.64	5.57	3.72	3.23	25.54	102	91	10:36 AM	7/19/2024B	McGintySt		41.288588	-88.262041		
1774	Diamond 07-19_CM.	38	0.02	NB	AC	3	11,051	55.58	42.72	33.67	22.87	15.47	7.20	4.70	4.13	33.67	102	91	10:36 AM	7/19/2024B	McGintySt		41.288588	-88.262041		
1775	Diamond 07-19_CM.	39	0.06	NB	AC	1	6,527	16.27	13.67	12.23	10.27	8.51	5.84	3.63	2.68	10.69	100	87	10:37 AM	7/19/2024B	McGinty		41.289169	-88.262049		
1775	Diamond 07-19_CM.	39	0.06	NB	AC	2	8,987	23.03	19.45	17.43	14.70	12.21	8.40	5.27	3.86	15.31	100	87	10:37 AM	7/19/2024B	McGinty		41.289169	-88.262049		
1775	Diamond 07-19_CM.	39	0.06	NB	AC	3	11,475	30.11	25.51	22.92	19.34	16.09	11.08	7.02	5.11	20.17	100	87	10:37 AM	7/19/2024B	McGinty		41.289169	-88.262049		
1776	Diamond 07-19_CM.	40	0.109	NB	AC	1	6,393	15.18	11.16	9.25	6.93	5.29	3.25	2.14	1.65	10.05	104	92	10:38 AM	7/19/2024B	McGintySt		41.289873	-88.262074		
1776	Diamond 07-19_CM.	40	0.109	NB	AC	2	8,859	20.85	15.46	12.83	9.63	7.36	4.50	2.96	2.29	13.80	104	92	10:38 AM	7/19/2024B	McGintySt		41.289873	-88.262074		
1776	Diamond 07-19_CM.	40	0.109	NB	AC	3	11,609	27.09	20.23	16.78	12.61	9.72	5.85	3.77	2.89	18.07	104	92	10:38 AM	7/19/2024B	McGintySt		41.289873	-88.262074		
1777	Diamond 07-19_CM.	41	0.144	NB	AC	1	6,285	18.65	13.04	10.35	7.10	5.03	2.93	2.00	1.62	12.39	102	91	10:38 AM	7/19/2024B	McGinty		41.290383	-88.262090		
1777	Diamond 07-19_CM.	41	0.144	NB	AC	2	8,687	26.75	19.19	15.33	10.51	7.39	4.21	2.86	2.34	17.62	102	91	10:38 AM	7/19/2024B	McGinty		41.290383	-88.262090		
1777	Diamond 07-19_CM.	41	0.144	NB	AC	3	11,328	35.60	26.47	21.19	14.60	10.17	5.57	3.71	2.99	23.35	102	91	10:38 AM	7/19/2024B	McGinty		41.290383	-88.262090		
1778	Diamond 07-19_CM.	42	0.191	NB	AC	1	6,387	24.69	18.76	14.19	9.07	5.92	3.11	2.21	1.81	12.84	106	90	10:39 AM	7/19/2024B	McGinty		41.291065	-88.262113		
1778	Diamond 07-19_CM.	42	0.191	NB	AC	2	8,878	34.55	26.50	20.24	13.09	8.54	4.38	3.14	2.66	18.37	106	90	10:39 AM	7/19/2024B	McGinty		41.291065	-88.262113		
1778	Diamond 07-19_CM.	42	0.191	NB	AC	3	11,526	45.00	34.81	26.81	17.54	11.41	5.64	3.99	3.44	24.38	106	90	10:39 AM	7/19/2024B	McGinty		41.291065	-88.262113		
1779	Diamond 07-19_CM.	43	0.234	NB	AC	1	6,355	22.21	16.58	12.73	8.35	5.54	2.93	1.98	1.60	12.22	97	87	10:39 AM	7/19/2024B	McGinty		41.291673	-88.262133		
1779	Diamond 07-19_CM.	43	0.234	NB	AC	2	8,779	31.94	23.91	18.30	11.98	7.90	4.13	2.85	2.37	17.57	97	87	10:39 AM	7/19/2024B	McGinty		41.291673	-88.262133		
1779	Diamond 07-19_CM.	43	0.234	NB	AC	3	11,434	42.41	31.93	24.40	15.94	10.44	5.25	3.54	2.94	23.46	97	87	10:39 AM	7/19/2024B	McGinty		41.291673	-88.262133		
1780	Diamond 07-19_CM.	44	0.019	EB	AC	1	6,460	23.04	16.83	12.93	8.55	5.97	3.48	2.37	1.82	13.77	108	89	10:40 AM	7/19/2024B	EB_HughSt		41.291426	-88.261806		
1780	Diamond 07-19_CM.	44	0.019	EB	AC	2	8,712	31.76	23.26	17.85	11.76	8.16	4.72	3.26	2.56	19.11	108	89	10:40 AM	7/19/2024B	EB_HughSt		41.291426	-88.261806		
1780	Diamond 07-19_CM.	44	0.019	EB	AC	3	11,482	42.71	31.46	24.10	15.89	10.89	6.13	4.19	3.28	25.82	108	89	10:40 AM	7/19/2024B	EB_HughSt		41.291426	-88.261806		
1781	Diamond 07-19_CM.	45	0.067	EB	AC	1	6,447	25.38	18.39	13.84	8.94	6.11	3.49	2.33	1.77	13.24	104	80	10:41 AM	7/19/2024B	EB_HughSt		41.291449	-88.260875		
1781	Diamond 07-19_CM.	45	0.067	EB	AC	2	8,818	34.77	25.52	19.29	12.57	8.59	4.89	3.29	2.57	18.50	104	80	10:41 AM	7/19/2024B	EB_HughSt		41.291449	-88.260875		
1781	Diamond 07-19_CM.	45	0.067	EB	AC	3	11,453	46.10	33.99	25.89	16.87	11.43	6.33	4.20	3.27	24.74	104	80	10:41 AM	7/19/2024B	EB_HughSt		41.291449	-88.260875		
1782	Diamond 07-19_CM.	46	0.119	EB	AC	1	6,377	22.80	17.29	13.34	8.87	6.12	3.51	2.37	1.86	12.79	105	86	10:42 AM	7/19/2024B	EB_HughSt		41.291473	-88.259889		
1782	Diamond 07-19_CM.	46	0.119	EB	AC	2	8,738	31.47	23.92	18.47	12.36	8.51	4.79	3.22	2.59	17.64	105	86	10:42 AM	7/19/2024B	EB_HughSt		41.291473	-88.259889		
1782	Diamond 07-19_CM.	46	0.119	EB	AC	3	11,379	41.25	31.44	24.35	16.38	11.27	6.22	4.18	3.41	23.08	105	86	10:42 AM	7/19/2024B	EB_HughSt		41.291473	-88.259889		
1783	Diamond 07-19_CM.	47	0.159	EB	AC	1	6,291	25.27	20.03	16.71	12.19	8.85	4.84	3.02	2.27	16.40	98	92	10:42 AM	7/19/2024B	EB_HughSt		41.291503	-88.259113		
1783	Diamond 07-19_CM.	47	0.159	EB	AC	2	8,789	35.95	28.86	24.15	17.64	12.76	6.81	4.13	3.09	23.57	98	92	10:42 AM	7/19/2024B	EB_HughSt		41.291503	-88.259113		
1783	Diamond 07-19_CM.	47	0.159	EB	AC	3	11,354	47.40	38.45	32.29	23.64	17.07	8.97	5.36	4.06	31.41	98	92	10:42 AM	7/19/2024B	EB_HughSt		41.291503	-88.259113		
1784	Diamond 07-19_CM.	48	0.207	EB	AC	1	6,326	15.77	13.00	11.20	8.65	6.48	3.66	2.29	1.77	11.43	97	84	10:43 AM	7/19/2024B	EB_HughSt		41.291525	-88.258203		
1784	Diamond 07-19_CM.	48	0.207	EB	AC	2	9,025	23.26	19.35	16.69	12.90	9.64	5.37	3.27	2.51	16.88	97	84	10:43 AM	7/19/2024B	EB_HughSt		41.291525	-88.258203		
1784	Diamond 07-19_CM.	48	0.207	EB	AC	3	11,7																			

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1790	Diamond	07-19_CM	54	0.04	WB	AC	2	8,547	54.41	39.81	29.87	18.35	11.32	4.83	3.26	3.23	30.97	104	82	10:48 AM	7/19/2024	WB_TracyS		41.292679	-88.255534	
1790	Diamond	07-19_CM	54	0.04	WB	AC	3	11,172	74.90	56.14	42.44	26.12	15.85	6.19	4.11	4.29	42.91	104	82	10:48 AM	7/19/2024	WB_TracyS	ND 7-8,	41.292679	-88.255534	
1791	Diamond	07-19_CM	55	0.078	SB	AC	1	6,007	24.23	17.75	14.03	9.50	6.53	3.59	2.40	1.91	14.51	89	82	10:48 AM	7/19/2024	B_Redmon		41.292326	-88.255866	
1791	Diamond	07-19_CM	55	0.078	SB	AC	2	8,709	35.22	26.17	20.81	14.17	9.75	5.28	3.52	2.82	21.28	89	82	10:48 AM	7/19/2024	B_Redmon		41.292326	-88.255866	
1791	Diamond	07-19_CM	55	0.078	SB	AC	3	11,651	47.17	35.41	28.29	19.26	13.22	7.02	4.62	3.74	28.78	89	82	10:48 AM	7/19/2024	B_Redmon		41.292326	-88.255866	
1792	Diamond	07-19_CM	56	0.118	SB	AC	1	6,297	29.08	22.69	17.22	11.10	7.00	3.38	2.29	1.90	17.01	94	87	10:49 AM	7/19/2024	B_Redmon		41.291742	-88.255838	
1792	Diamond	07-19_CM	56	0.118	SB	AC	2	8,888	41.08	32.25	24.82	16.27	10.36	4.88	3.30	2.86	24.48	94	87	10:49 AM	7/19/2024	B_Redmon		41.291742	-88.255838	
1792	Diamond	07-19_CM	56	0.118	SB	AC	3	11,482	53.65	42.44	33.06	21.91	13.94	6.34	4.22	3.76	32.63	94	87	10:49 AM	7/19/2024	B_Redmon		41.291742	-88.255838	
1793	Diamond	07-19_CM	57	0.171	SB	AC	1	6,431	22.05	17.25	14.14	10.14	7.15	3.77	2.40	1.88	13.87	95	84	10:50 AM	7/19/2024	B_Redmon		41.290981	-88.255810	
1793	Diamond	07-19_CM	57	0.171	SB	AC	2	9,134	32.26	25.52	21.00	15.12	10.67	5.55	3.45	2.70	20.52	95	84	10:50 AM	7/19/2024	B_Redmon		41.290981	-88.255810	
1793	Diamond	07-19_CM	57	0.171	SB	AC	3	11,727	43.03	34.18	28.25	20.40	14.37	7.37	4.47	3.48	27.61	95	84	10:50 AM	7/19/2024	B_Redmon		41.290981	-88.255810	
1794	Diamond	07-19_CM	58	0.212	SB	AC	1	6,655	15.50	13.15	11.30	8.91	6.98	4.41	2.87	2.07	10.69	95	88	10:50 AM	7/19/2024	B_Redmon		41.290389	-88.255787	
1794	Diamond	07-19_CM	58	0.212	SB	AC	2	9,108	21.91	18.62	16.03	12.65	9.91	6.19	3.97	2.84	15.18	95	88	10:50 AM	7/19/2024	B_Redmon		41.290389	-88.255787	
1794	Diamond	07-19_CM	58	0.212	SB	AC	3	11,765	29.09	24.78	21.35	16.88	13.20	8.15	5.17	3.68	20.31	95	88	10:50 AM	7/19/2024	B_Redmon		41.290389	-88.255787	
1795	Diamond	07-19_CM	59	0.266	SB	AC	1	6,301	18.25	14.86	12.22	9.06	6.68	3.71	2.16	1.56	11.17	90	80	10:51 AM	7/19/2024	B_Redmon		41.289612	-88.255749	
1795	Diamond	07-19_CM	59	0.266	SB	AC	2	8,897	25.89	21.04	17.33	12.88	9.50	5.27	3.12	2.34	15.88	90	80	10:51 AM	7/19/2024	B_Redmon		41.289612	-88.255749	
1795	Diamond	07-19_CM	59	0.266	SB	AC	3	11,526	33.14	26.82	22.03	16.41	12.06	6.58	3.84	2.87	20.33	90	80	10:51 AM	7/19/2024	B_Redmon		41.289167	-88.255739	
1796	Diamond	07-19_CM	60	0.297	SB	AC	1	6,301	21.27	16.36	13.04	9.29	6.76	3.87	2.50	1.92	12.57	94	87	10:51 AM	7/19/2024	B_Redmon		41.289167	-88.255739	
1796	Diamond	07-19_CM	60	0.297	SB	AC	2	8,799	29.70	22.95	18.35	13.09	9.53	5.45	3.55	2.77	17.61	94	87	10:51 AM	7/19/2024	B_Redmon		41.289167	-88.255739	
1796	Diamond	07-19_CM	60	0.297	SB	AC	3	11,453	39.29	30.37	24.25	17.30	12.57	7.08	4.59	3.61	23.25	94	87	10:51 AM	7/19/2024	B_Redmon		41.289167	-88.255739	
1797	Diamond	07-19_CM	61	0.333	SB	AC	1	6,364	21.39	16.91	14.35	10.88	8.17	4.65	2.75	2.00	15.52	94	90	10:52 AM	7/19/2024	B_Redmon		41.288640	-88.255734	
1797	Diamond	07-19_CM	61	0.333	SB	AC	2	8,799	30.26	24.22	20.67	15.75	11.86	6.70	3.97	2.96	22.00	94	90	10:52 AM	7/19/2024	B_Redmon		41.288640	-88.255734	
1797	Diamond	07-19_CM	61	0.333	SB	AC	3	11,523	39.55	31.83	27.34	20.84	15.69	8.76	5.10	3.78	28.88	94	90	10:52 AM	7/19/2024	B_Redmon		41.288640	-88.255734	
1798	Diamond	07-19_CM	63	0.378	SB	AC	1	6,269	23.20	18.80	15.86	11.79	8.67	4.63	2.75	2.02	16.60	88	100	10:53 AM	7/19/2024	B_Redmon		41.287996	-88.255721	
1798	Diamond	07-19_CM	63	0.378	SB	AC	2	8,802	33.70	27.40	23.31	17.37	12.82	6.86	4.08	3.04	23.98	88	100	10:53 AM	7/19/2024	B_Redmon		41.287996	-88.255721	
1798	Diamond	07-19_CM	63	0.378	SB	AC	3	11,415	44.46	36.57	31.13	23.21	17.13	9.10	5.32	3.48	31.59	88	100	10:53 AM	7/19/2024	B_Redmon		41.287996	-88.255721	
1799	Diamond	07-19_CM	64	0.412	SB	AC	1	6,218	25.72	20.44	17.01	12.38	8.95	4.81	2.82	2.09	17.43	89	86	10:54 AM	7/19/2024	B_Redmon		41.287509	-88.255703	
1799	Diamond	07-19_CM	64	0.412	SB	AC	2	8,751	37.18	29.89	25.00	18.33	13.32	7.16	4.21	3.20	25.31	89	86	10:54 AM	7/19/2024	B_Redmon		41.287509	-88.255703	
1799	Diamond	07-19_CM	64	0.412	SB	AC	3	11,682	50.54	41.11	34.36	25.29	18.35	9.69	5.54	4.20	34.42	89	86	10:54 AM	7/19/2024	B_Redmon		41.287509	-88.255703	
1800	Diamond	07-19_CM	65	0.464	SB	AC	1	6,467	18.41	14.53	12.40	9.63	7.46	4.52	2.82	1.81	13.01	76	80	10:55 AM	7/19/2024	B_Redmon		41.286757	-88.255688	
1800	Diamond	07-19_CM	65	0.464	SB	AC	2	8,936	25.79	20.58	17.61	13.73	10.70	6.49	4.03	2.72	18.25	76	80	10:55 AM	7/19/2024	B_Redmon		41.286757	-88.255688	
1800	Diamond	07-19_CM	65	0.464	SB	AC	3	11,855	34.60	27.86	23.89	18.72	14.58	8.79	5.37	3.51	24.61	76	80	10:55 AM	7/19/2024	B_Redmon		41.286757	-88.255688	
1801	Diamond	07-19_CM	66	0.502	EB	AC	1	6,380	17.48	13.79	11.33	8.05	5.71	3.16	2.10	1.63	11.26	88	89	10:55 AM	7/19/2024	B_BorderS		41.286338	-88.255425	
1801	Diamond	07-19_CM	66	0.502	EB	AC	2	9,159	25.43	20.42	16.90	12.13	8.65	4.74	3.10	2.42	16.59	88	89	10:55 AM	7/19/2024	B_BorderS		41.286338	-88.255425	
1801	Diamond	07-19_CM	66	0.502	EB	AC	3	11,861	33.31	26.95	22.38	16.15	11.53	6.23	3.99	3.10	21.88	88	89	10:55 AM	7/19/2024	B_BorderS		41.286338	-88.255425	
1802	Diamond	07-19_CM	68	0.539	EB	AC	1	6,093	45.40	35.09	26.86	16.41	9.43	3.64	2.45	2.07	24.20	92	93	10:56 AM	7/19/2024	B_BorderS		41.286350	-88.254726	
1802	Diamond	07-19_CM	68	0.539	EB	AC	2	8,754	65.71	51.08	39.34	24.29	14.03	5.26	3.49	2.95	35.73	92	93	10:56 AM	7/19/2024	B_BorderS		41.286350	-88.254726	
1802	Diamond	07-19_CM	68	0.539	EB	AC	3	11,277	85.01	67.25	52.15	32.46	18.82	6.90	4.56	3.94	48.00	92	93	10:56 AM	7/19/2024	B_BorderS	ED 1,	41.286350	-88.254726	
1803	Diamond	07-19_CM	69	0.719	EB	AC	1	6,230	30.49	25.00	20.48	14.48	10.07	5.04	3.07	2.37	19.42	74	86	10:58 AM	7/19/2024	B_Patmore		41.287331	-88.256348	
1803	Diamond	07-19_CM	69	0.719	EB	AC	2	9,178	38.93	31.41	25.70	18.67	13.51	7.30	4.68	3.67	24.95	89	95	10:59 AM	7/19/2024	B_Patmore		41.287340	-88.255884	
1803	Diamond	07-19_CM	69	0.719	EB	AC	3	11,880	59.32	48.80	40.51	29.00	20.31	10.05	5.98	4.74	38.71	74	86	10:58 AM	7/19/2024	B_Patmore		41.287331	-88.256348	
1804	Diamond	07-19_CM	70	0.743	EB	AC	1	6,307	26.90	21.44	17.48	12.63	9.10	4.95	3.20	2.48	17.04	89	95	10:59 AM	7/19/2024	B_Patmore		41.287340	-88.255884	
1804	Diamond	07-19_CM	70	0.743	EB	AC	2	9,178	38.93	31.41	25.70	18.67	13.51	7.30	4.68	3.67	24.95	89	95	10:59 AM	7/19/2024	B_Patmore		41.287340	-88.255884	
1804	Diamond	07-19_CM	70	0.743	EB	AC	3	11,852	50.64	41.16	33.85	24.73	17.93	9.61	6.07	4.73	32.93	89	95	10:59 AM	7/19/2024	B_Patmore		41.287340	-88.255884	
1805	Diamond	07-19_CM	71	0.976	NB	AC	1	6,393	21.19	16.91	13.78	9.79	6.97	3.94	2.62	2.04	12.88	100	90	11:01 AM	7/19/2024	B_Tinman		41.288306	-88.254268	

Ref. No.	Township	DAT File	DAT No.	Station	Direction	Event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1811	Diamond 07-19_CM	78	1.333	SB	JPC	1	6.505	11.59	11.24	10.85	10.21	9.52	7.99	6.37	4.86	10.78	103	84	11:07 AM	7/19/2024	SB_DalySt		41.290860	-88.252934		
1811	Diamond 07-19_CM	78	1.333	SB	JPC	2	9.360	16.19	15.67	15.14	14.22	13.23	11.09	8.84	6.76	15.05	103	84	11:07 AM	7/19/2024	SB_DalySt		41.290860	-88.252934		
1811	Diamond 07-19_CM	78	1.333	SB	JPC	3	12.285	20.78	20.05	19.38	18.20	16.93	14.19	11.31	8.66	19.26	103	84	11:07 AM	7/19/2024	SB_DalySt		41.290860	-88.252934		
1812	Diamond 07-19_CM	79	1.341	SB	JPC	1	6.709	7.62	7.30	7.02	6.54	6.00	4.92	3.80	2.85	6.95	97	79	11:08 AM	7/19/2024	SB_DalySt		41.290739	-88.252930		
1812	Diamond 07-19_CM	79	1.341	SB	JPC	2	9.153	10.24	9.81	9.42	8.77	8.05	6.58	5.07	3.79	9.35	97	79	11:08 AM	7/19/2024	SB_DalySt		41.290739	-88.252930		
1812	Diamond 07-19_CM	79	1.341	SB	JPC	3	12.107	13.19	12.64	12.15	11.31	10.39	8.48	6.56	4.90	12.07	97	79	11:08 AM	7/19/2024	SB_DalySt		41.290739	-88.252930		
1813	Diamond 07-19_CM	80	1.371	SB	AC	1	6.345	17.68	14.05	11.71	8.72	6.55	3.84	2.48	1.87	11.71	101	81	11:08 AM	7/19/2024	SB_DalySt		41.290318	-88.252921		
1813	Diamond 07-19_CM	80	1.371	SB	AC	2	8.738	25.06	20.11	16.79	12.50	9.39	5.44	3.46	2.62	16.61	101	81	11:08 AM	7/19/2024	SB_DalySt		41.290318	-88.252921		
1813	Diamond 07-19_CM	80	1.371	SB	AC	3	11.370	33.30	26.95	22.48	16.76	12.60	7.24	4.56	3.43	22.15	101	81	11:08 AM	7/19/2024	SB_DalySt		41.290318	-88.252921		
1814	Diamond 07-19_CM	81	1.411	SB	AC	1	6.333	14.47	11.69	10.04	7.80	6.06	3.66	2.30	1.72	10.24	99	87	11:09 AM	7/19/2024	SB_DalySt		41.289737	-88.252898		
1814	Diamond 07-19_CM	81	1.411	SB	AC	2	8.881	20.85	17.01	14.63	11.38	8.83	5.24	3.18	2.33	14.80	99	87	11:09 AM	7/19/2024	SB_DalySt		41.289737	-88.252898		
1814	Diamond 07-19_CM	81	1.411	SB	AC	3	11.622	27.99	23.02	19.84	15.45	11.99	7.06	4.22	3.14	19.94	99	87	11:09 AM	7/19/2024	SB_DalySt		41.289737	-88.252898		
1815	Diamond 07-19_CM	82	1.455	SB	AC	1	6.390	15.91	12.93	10.95	8.37	6.53	4.05	2.74	2.12	10.62	99	81	11:10 AM	7/19/2024	SB_DalySt		41.289105	-88.252879		
1815	Diamond 07-19_CM	82	1.455	SB	AC	2	8.920	22.27	18.24	15.49	11.89	9.26	5.72	3.83	2.97	14.94	99	81	11:10 AM	7/19/2024	SB_DalySt		41.289105	-88.252879		
1815	Diamond 07-19_CM	82	1.455	SB	AC	3	11.504	29.31	24.05	20.47	15.73	12.24	7.47	4.95	3.82	19.73	99	81	11:10 AM	7/19/2024	SB_DalySt		41.289105	-88.252879		
1816	Diamond 07-19_CM	83	1.482	SB	AC	1	6.285	12.25	9.76	8.10	6.02	4.53	2.77	1.88	1.46	7.58	101	89	11:10 AM	7/19/2024	SB_DalySt		41.288714	-88.252874		
1816	Diamond 07-19_CM	83	1.482	SB	AC	2	8.776	17.34	13.84	11.49	8.54	6.41	3.89	2.58	1.99	10.78	101	89	11:10 AM	7/19/2024	SB_DalySt		41.288714	-88.252874		
1816	Diamond 07-19_CM	83	1.482	SB	AC	3	11.568	22.64	18.08	14.98	11.14	8.36	5.05	3.35	2.61	14.11	101	89	11:10 AM	7/19/2024	SB_DalySt		41.288714	-88.252874		
1817	Diamond 07-19_CM	84	1.521	SB	AC	1	6.281	22.79	18.06	14.78	10.73	7.65	4.24	2.78	2.15	14.52	98	91	11:11 AM	7/19/2024	SB_DalySt		41.288145	-88.252862		
1817	Diamond 07-19_CM	84	1.521	SB	AC	2	8.779	32.16	25.48	20.79	15.08	10.70	5.81	3.76	2.91	20.41	98	91	11:11 AM	7/19/2024	SB_DalySt		41.288145	-88.252862		
1817	Diamond 07-19_CM	84	1.521	SB	AC	3	11.258	42.30	33.50	27.38	19.79	13.98	7.49	4.85	3.83	26.79	98	91	11:11 AM	7/19/2024	SB_DalySt		41.288145	-88.252862		
1818	Diamond 07-19_CM	85	1.569	SB	AC	1	6.007	29.81	22.22	17.69	11.99	7.95	3.80	2.46	2.14	18.57	96	92	11:12 AM	7/19/2024	SB_DalySt		41.287461	-88.252839		
1818	Diamond 07-19_CM	85	1.569	SB	AC	2	8.665	45.59	34.11	27.22	18.48	12.20	5.62	3.49	3.02	28.06	96	92	11:12 AM	7/19/2024	SB_DalySt		41.287461	-88.252839		
1818	Diamond 07-19_CM	85	1.569	SB	AC	3	11.207	61.85	46.53	37.34	25.33	16.66	7.49	4.56	4.04	38.06	96	92	11:12 AM	7/19/2024	SB_DalySt		41.287461	-88.252839		
1819	Diamond 07-19_CM	86	1.613	SB	AC	1	6.065	37.53	25.55	19.23	11.89	7.45	3.62	2.58	2.26	20.24	96	82	11:12 AM	7/19/2024	SB_DalySt		41.286821	-88.252816		
1819	Diamond 07-19_CM	86	1.613	SB	AC	2	8.467	55.55	38.43	28.90	17.84	11.00	5.04	3.57	3.13	29.99	96	82	11:12 AM	7/19/2024	SB_DalySt		41.286821	-88.252816		
1819	Diamond 07-19_CM	86	1.613	SB	AC	3	11.236	77.96	54.92	41.59	25.69	15.63	6.73	4.70	3.98	42.20	96	82	11:12 AM	7/19/2024	SB_DalySt		41.286821	-88.252816		
1820	Diamond 07-19_CM	87	2.004	NB	AC	1	6.017	44.09	31.85	21.80	11.10	6.29	3.17	2.12	1.73	20.05	84	78	11:15 AM	7/19/2024	iB_CurtisR		41.288954	-88.248403		
1820	Diamond 07-19_CM	87	2.004	NB	AC	2	8.610	66.47	47.91	33.79	17.30	9.42	4.59	3.01	2.47	44.92	84	78	11:15 AM	7/19/2024	iB_CurtisR		41.288954	-88.248403		
1820	Diamond 07-19_CM	87	2.004	NB	AC	3	11.281	85.55	65.95	46.58	25.64	13.15	6.04	3.91	3.28	43.61	84	78	11:15 AM	7/19/2024	iB_CurtisR	ED 1,	41.288954	-88.248403		
1821	Diamond 07-19_CM	88	2.025	NB	AC	1	6.170	32.27	22.40	16.59	9.63	5.68	2.88	2.17	1.89	15.41	75	79	11:15 AM	7/19/2024	iB_CurtisR		41.289259	-88.248409		
1821	Diamond 07-19_CM	88	2.025	NB	AC	2	8.971	48.40	33.74	25.17	15.06	8.51	4.12	3.19	2.86	23.43	75	79	11:15 AM	7/19/2024	iB_CurtisR		41.289259	-88.248409		
1821	Diamond 07-19_CM	88	2.025	NB	AC	3	11.807	65.47	46.40	34.73	20.17	11.57	5.26	4.07	3.72	32.59	75	79	11:15 AM	7/19/2024	iB_CurtisR		41.289259	-88.248409		
1822	Diamond 07-19_CM	89	2.04	NB	AC	1	6.451	24.64	18.50	14.63	10.29	7.55	4.61	3.33	2.64	14.54	95	76	11:16 AM	7/19/2024	iB_CurtisR		41.289469	-88.248415		
1822	Diamond 07-19_CM	89	2.04	NB	AC	2	9.146	36.34	27.27	21.50	15.02	10.92	6.60	4.79	3.86	21.30	95	76	11:16 AM	7/19/2024	iB_CurtisR		41.289469	-88.248415		
1822	Diamond 07-19_CM	89	2.04	NB	AC	3	11.960	50.35	37.62	29.58	20.38	14.60	8.59	6.13	4.92	29.12	95	76	11:16 AM	7/19/2024	iB_CurtisR		41.289469	-88.248415		
1823	Diamond 07-19_CM	90	0.016	WB	AC	1	5.982	43.79	31.69	22.82	13.08	7.54	3.28	2.18	1.74	22.29	101	90	11:17 AM	7/19/2024	V_B_StellonSt		41.290721	-88.247138		
1823	Diamond 07-19_CM	90	0.016	WB	AC	2	8.891	65.83	48.87	35.84	21.01	12.21	5.09	3.28	2.67	34.55	101	90	11:17 AM	7/19/2024	V_B_StellonSt		41.290721	-88.247138		
1823	Diamond 07-19_CM	90	0.016	WB	AC	3	11.609	86.21	65.17	48.77	29.19	17.15	6.98	4.34	3.59	46.96	101	90	11:17 AM	7/19/2024	V_B_StellonSt	ED 1,	41.290721	-88.247138		
1824	Diamond 07-19_CM	91	0.07	WB	AC	1	6.061	44.76	31.11	21.91	11.64	6.41	3.14	2.23	1.70	21.23	99	91	11:18 AM	7/19/2024	V_B_StellonSt		41.290711	-88.248169		
1824	Diamond 07-19_CM	91	0.07	WB	AC	2	8.888	66.79	47.61	33.98	18.37	10.02	4.65	3.31	2.57	32.65	99	91	11:18 AM	7/19/2024	V_B_StellonSt	ED 1,	41.290711	-88.248169		
1825	Diamond 07-19_CM	94	0.13	WB	AC	1	6.272	21.53	15.67	12.60	8.90	6.33	3.58	2.33	1.80	14.69	95	82	11:19 AM	7/19/2024	V_B_StellonSt		41.290691	-88.249314		
1825	Diamond 07-19_CM	94	0.13	WB	AC	2	9.051	31.16	22.78	18.39	13.04	9.27	5.16	3.35	2.64	21.10	95	82	11:19 AM	7/19/2024	V_B_StellonSt		41.290691	-88.249314		
1825	Diamond 07-19_CM	94	0.13	WB	AC	3	11.887	41.67	30.76	24.83	17.68	12.54	6.83	4.39	3.52	27.85	95	82	11:19 AM	7/19/2024	V_B_StellonSt		41.290691	-88.249314		
1826	Diamond 07-19_CM	95	0.17	WB	AC	1	6.361	20.09	15.20	11.75	7.96	5.60	3.24	2.13	1.65	11.81	98	82	11:20 AM	7/19/2024	V_B_StellonSt		41.290678	-88.250074		
1826	Diamond 07-19_CM	95	0.17	WB	AC	2	9.194	29.01	22.88	17.40	11.92															

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1831	Diamond 07-19_CM	100	0.383	WB	AC	3	11,765	51.01	37.69	29.55	20.39	14.14	7.54	4.66	3.59	28.47	99	93	11:24 AM	7/19/2024	vB_Stellon		41.290569	-88.254157		
1832	Diamond 07-19_CM	101	0.439	WB	AC	1	6,320	25.87	19.28	14.80	9.77	6.71	3.75	2.52	1.94	15.02	98	93	11:25 AM	7/19/2024	vB_Stellon		41.290555	-88.255218		
1832	Diamond 07-19_CM	101	0.439	WB	AC	2	8,996	37.68	28.73	22.33	14.79	10.06	5.41	3.55	2.72	22.52	98	93	11:25 AM	7/19/2024	vB_Stellon		41.290555	-88.255218		
1832	Diamond 07-19_CM	101	0.439	WB	AC	3	11,794	50.90	39.48	31.01	20.64	13.97	7.31	4.70	3.63	31.12	98	93	11:25 AM	7/19/2024	vB_Stellon		41.290555	-88.255218		
1833	Diamond 07-19_CM	102	0.482	WB	AC	1	6,132	32.82	24.65	18.90	12.62	8.82	4.87	3.06	2.27	17.66	99	97	11:26 AM	7/19/2024	vB_Stellon		41.290537	-88.256042		
1833	Diamond 07-19_CM	102	0.482	WB	AC	2	8,875	48.42	37.06	28.90	19.50	13.55	7.24	4.47	3.31	27.06	99	97	11:26 AM	7/19/2024	vB_Stellon		41.290537	-88.256042		
1833	Diamond 07-19_CM	102	0.482	WB	AC	3	11,536	64.65	49.82	39.45	26.92	18.65	9.72	5.88	4.39	37.11	99	97	11:26 AM	7/19/2024	vB_Stellon		41.290537	-88.256042		
1834	Diamond 07-19_CM	103	0.541	WB	AC	1	6,345	22.84	16.96	13.29	9.26	6.69	3.96	2.67	2.04	12.88	104	95	11:26 AM	7/19/2024	vB_Stellon		41.290518	-88.257185		
1834	Diamond 07-19_CM	103	0.541	WB	AC	2	9,118	33.11	25.01	19.77	13.83	9.94	5.75	3.80	2.94	19.04	104	95	11:26 AM	7/19/2024	vB_Stellon		41.290518	-88.257185		
1834	Diamond 07-19_CM	103	0.541	WB	AC	3	11,931	44.30	33.91	26.99	18.96	13.58	7.69	5.01	3.89	25.91	104	95	11:26 AM	7/19/2024	vB_Stellon		41.290518	-88.257185		
1835	Diamond 07-19_CM	104	0.576	WB	AC	1	6,415	18.37	14.05	11.36	8.20	6.28	4.11	2.86	2.15	11.32	101	99	11:27 AM	7/19/2024	vB_Stellon		41.290504	-88.257847		
1835	Diamond 07-19_CM	104	0.576	WB	AC	2	9,044	26.10	20.30	16.48	11.90	9.07	5.87	4.04	3.02	16.27	101	99	11:27 AM	7/19/2024	vB_Stellon		41.290504	-88.257847		
1835	Diamond 07-19_CM	104	0.576	WB	AC	3	11,705	34.13	26.82	21.85	15.80	11.99	7.67	5.24	3.94	21.53	101	99	11:27 AM	7/19/2024	vB_Stellon		41.290504	-88.257847		
1836	Diamond 07-19_CM	105	0.61	WB	AC	1	6,208	25.39	18.33	13.73	9.05	6.28	3.60	2.43	1.89	13.54	104	95	11:27 AM	7/19/2024	vB_Stellon		41.290493	-88.258503		
1836	Diamond 07-19_CM	105	0.61	WB	AC	2	8,508	34.80	25.51	19.17	12.66	8.73	4.91	3.29	2.56	18.78	104	95	11:27 AM	7/19/2024	vB_Stellon		41.290493	-88.258503		
1836	Diamond 07-19_CM	105	0.61	WB	AC	3	11,309	46.26	34.76	26.16	17.22	11.77	6.50	4.36	3.44	25.33	104	95	11:27 AM	7/19/2024	vB_Stellon		41.290493	-88.258503		
1837	Diamond 07-19_CM	106	0.652	WB	AC	1	6,208	21.28	14.49	11.60	8.11	5.87	3.35	2.18	1.73	13.75	98	85	11:28 AM	7/19/2024	vB_Stellon		41.290481	-88.259301		
1837	Diamond 07-19_CM	106	0.652	WB	AC	2	8,805	31.00	21.94	17.67	12.42	8.97	5.00	3.20	2.53	20.07	98	85	11:28 AM	7/19/2024	vB_Stellon		41.290481	-88.259301		
1837	Diamond 07-19_CM	106	0.652	WB	AC	3	11,660	41.17	30.17	24.48	17.33	12.46	6.80	4.24	3.31	26.72	98	85	11:28 AM	7/19/2024	vB_Stellon		41.290481	-88.259301		
1838	Diamond 07-19_CM	107	0.689	WB	AC	1	6,278	28.02	21.75	17.07	11.02	7.17	3.64	2.34	1.86	16.22	107	83	11:29 AM	7/19/2024	vB_Stellon		41.290470	-88.259998		
1838	Diamond 07-19_CM	107	0.689	WB	AC	2	9,028	41.65	32.33	25.39	16.48	10.67	5.22	3.27	2.59	24.21	107	83	11:29 AM	7/19/2024	vB_Stellon		41.290470	-88.259998		
1838	Diamond 07-19_CM	107	0.689	WB	AC	3	11,772	55.49	43.38	34.30	22.43	14.52	6.87	4.22	3.41	32.96	107	83	11:29 AM	7/19/2024	vB_Stellon		41.290470	-88.259998		
1839	Diamond 07-19_CM	108	0.734	WB	AC	1	6,179	29.91	23.34	16.85	10.64	6.95	3.65	2.48	1.99	16.96	102	81	11:29 AM	7/19/2024	vB_Stellon		41.290452	-88.260859		
1839	Diamond 07-19_CM	108	0.734	WB	AC	2	8,907	45.05	34.06	25.96	16.60	10.78	5.40	3.62	2.95	25.72	102	81	11:29 AM	7/19/2024	vB_Stellon		41.290452	-88.260859		
1839	Diamond 07-19_CM	108	0.734	WB	AC	3	11,577	61.19	46.44	35.68	23.00	14.86	7.17	4.75	3.94	35.22	102	81	11:29 AM	7/19/2024	vB_Stellon		41.290452	-88.260859		
1840	Diamond 07-19_CM	109	0.787	WB	AC	1	6,377	17.08	13.16	10.42	7.39	5.46	3.36	2.32	1.81	9.81	88	79	11:30 AM	7/19/2024	vB_Stellon		41.290481	-88.261886		
1840	Diamond 07-19_CM	109	0.787	WB	AC	2	9,095	24.68	19.27	15.42	11.01	8.09	4.83	3.28	2.54	14.54	88	79	11:30 AM	7/19/2024	vB_Stellon		41.290481	-88.261886		
1840	Diamond 07-19_CM	109	0.787	WB	AC	3	11,973	33.30	26.31	21.23	15.28	11.21	6.57	4.42	3.47	20.08	88	79	11:30 AM	7/19/2024	vB_Stellon		41.290481	-88.261886		
1841	Diamond 07-19_CM	110	0.021	NB	AC	1	6,106	27.30	21.88	18.27	13.01	8.88	4.22	2.53	2.02	18.03	101	81	11:32 AM	7/19/2024	NB_WallSt		41.288701	-88.257947		
1841	Diamond 07-19_CM	110	0.021	NB	AC	2	8,677	40.65	32.81	27.47	19.72	13.43	6.30	3.75	3.03	26.90	101	81	11:32 AM	7/19/2024	NB_WallSt		41.288701	-88.257947		
1841	Diamond 07-19_CM	110	0.021	NB	AC	3	11,335	54.66	44.37	37.31	26.75	18.17	8.32	4.85	3.94	36.65	101	81	11:32 AM	7/19/2024	NB_WallSt		41.288701	-88.257947		
1842	Diamond 07-19_CM	111	0.044	NB	AC	1	6,096	34.20	26.07	19.81	12.35	7.85	3.77	2.40	1.90	17.74	101	80	11:33 AM	7/19/2024	NB_WallSt		41.289036	-88.257961		
1842	Diamond 07-19_CM	111	0.044	NB	AC	2	8,569	49.71	38.07	29.19	18.43	11.70	5.46	3.48	2.85	26.40	101	80	11:33 AM	7/19/2024	NB_WallSt		41.289036	-88.257961		
1842	Diamond 07-19_CM	111	0.044	NB	AC	3	11,533	67.21	52.31	40.33	25.70	16.31	7.38	4.67	3.92	36.71	101	80	11:33 AM	7/19/2024	NB_WallSt		41.289036	-88.257961		
1843	Diamond 07-19_CM	112	0.069	NB	AC	1	6,275	20.03	13.80	10.83	7.34	5.14	2.98	2.05	1.59	12.24	103	80	11:33 AM	7/19/2024	NB_WallSt		41.289381	-88.257974		
1843	Diamond 07-19_CM	112	0.069	NB	AC	2	9,114	30.20	21.50	16.98	11.54	8.03	4.52	3.05	2.39	18.21	103	80	11:33 AM	7/19/2024	NB_WallSt		41.289381	-88.257974		
1843	Diamond 07-19_CM	112	0.069	NB	AC	3	11,989	40.60	29.55	23.50	16.05	11.10	6.11	4.05	3.14	24.16	103	80	11:33 AM	7/19/2024	NB_WallSt		41.289381	-88.257974		
1844	Diamond 07-19_CM	113	0.107	NB	AC	1	6,240	27.33	20.43	14.82	9.41	6.33	3.51	2.39	1.85	13.17	101	82	11:34 AM	7/19/2024	NB_WallSt		41.289938	-88.257995		
1844	Diamond 07-19_CM	113	0.107	NB	AC	2	9,047	39.05	29.35	21.48	13.65	9.12	4.99	3.42	2.69	18.92	101	82	11:34 AM	7/19/2024	NB_WallSt		41.289938	-88.257995		
1844	Diamond 07-19_CM	113	0.107	NB	AC	3	11,686	50.95	38.36	28.29	17.95	11.94	6.44	4.43	3.53	24.76	101	82	11:34 AM	7/19/2024	NB_WallSt		41.289938	-88.257995		
1845	Diamond 07-19_CM	114	0.135	NB	AC	1	6,275	19.95	14.37	10.80	7.25	5.16	3.11	2.16	1.66	10.54	100	80	11:34 AM	7/19/2024	NB_WallSt		41.290333	-88.258008		
1845	Diamond 07-19_CM	114	0.135	NB	AC	2	8,955	28.36	20.54	15.42	10.27	7.22	4.32	3.02	2.34	15.00	100	80	11:34 AM	7/19/2024	NB_WallSt		41.290333	-88.258008		
1845	Diamond 07-19_CM	114	0.135	NB	AC	3	11,848	37.28	27.16	20.31	13.48	9.40	5.54	3.90	3.09	19.79	100	80	11:34 AM	7/19/2024	NB_WallSt		41.290333	-88.258008		
1846	Diamond 07-19_CM	115	0.164	NB	AC	1	6,173	24.84	19.09	15.23	10.52	7.34	4.03	2.73	2.14	14.75	75	80	11:35 AM	7/19/2024	NB_WallSt		41.290762	-88.258027		
1846	Diamond 07-19_CM	115	0.164	NB	AC	2	8,834	36.60	28.29	22.73	15.77	11.00	5.95	4.00	3.16	21.93	75	80	11:35 AM	7/19/2024	NB_WallSt		41.290762	-88.258027		
1846	Diamond 07-19_CM	115	0.164	NB	AC																					

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1852	Diamond 07-19_CM.	122	0.17	SB	AC	2	8,923	16.98	13.71	11.63	8.89	6.74	4.05	2.70	2.08	11.59	100	92	11:40 AM	7/19/2024	B_DeweySt	41.289164 -88.259449				
1852	Diamond 07-19_CM.	122	0.17	SB	AC	3	11,590	22.71	18.35	15.56	11.89	9.01	5.37	3.54	2.73	15.45	100	92	11:40 AM	7/19/2024	B_DeweySt	41.289164 -88.259449				
1853	Diamond 07-19_CM.	123	0.207	SB	AC	1	6,128	21.51	16.01	12.97	9.17	6.55	3.66	2.41	1.91	14.37	101	83	11:41 AM	7/19/2024	B_DeweySt	41.288626 -88.259433				
1853	Diamond 07-19_CM.	123	0.207	SB	AC	2	8,661	31.46	23.53	19.11	13.55	9.70	5.40	3.60	2.88	20.76	101	83	11:41 AM	7/19/2024	B_DeweySt	41.288626 -88.259433				
1853	Diamond 07-19_CM.	123	0.207	SB	AC	3	11,478	42.60	32.17	26.10	18.54	13.21	7.23	4.73	3.77	27.90	101	83	11:41 AM	7/19/2024	B_DeweySt	41.288626 -88.259433				
1854	Diamond 07-19_CM.	125	0.021	NB	AC	1	5,972	36.61	28.13	21.20	12.97	7.91	3.79	2.62	2.15	20.49	108	92	11:43 AM	7/19/2024	NB_TashSt	41.288590 -88.260739				
1854	Diamond 07-19_CM.	125	0.021	NB	AC	2	8,939	56.05	43.30	32.83	20.36	12.43	5.65	3.93	3.29	31.75	108	92	11:43 AM	7/19/2024	NB_TashSt	41.288590 -88.260739				
1854	Diamond 07-19_CM.	125	0.021	NB	AC	3	11,638	75.88	58.67	44.66	27.97	17.00	7.32	5.11	4.41	43.41	108	92	11:43 AM	7/19/2024	NB_TashSt	41.288590 -88.260739				
1855	Diamond 07-19_CM.	126	0.045	NB	AC	1	6,246	33.72	25.96	20.47	13.45	8.82	4.50	3.11	2.51	19.94	100	95	11:43 AM	7/19/2024	NB_TashSt	41.288933 -88.260755				
1855	Diamond 07-19_CM.	126	0.045	NB	AC	2	9,006	48.89	38.07	30.26	20.05	13.16	6.49	4.39	3.55	29.21	100	95	11:43 AM	7/19/2024	NB_TashSt	41.288933 -88.260755				
1855	Diamond 07-19_CM.	126	0.045	NB	AC	3	11,820	66.46	51.91	41.65	27.80	18.25	8.76	5.86	4.81	40.01	100	95	11:43 AM	7/19/2024	NB_TashSt	41.288933 -88.260755				
1856	Diamond 07-19_CM.	127	0.068	NB	AC	1	6,106	48.46	36.75	27.72	16.74	9.91	3.90	2.88	2.49	25.59	109	93	11:44 AM	7/19/2024	NB_TashS	41.289267 -88.260765				
1856	Diamond 07-19_CM.	127	0.068	NB	AC	2	8,681	71.08	54.35	41.34	25.25	14.94	5.55	3.99	3.44	38.59	109	93	11:44 AM	7/19/2024	NB_TashS	41.289267 -88.260765				
1856	Diamond 07-19_CM.	127	0.068	NB	AC	3	11,392	96.09	74.15	56.89	35.09	20.88	7.49	5.32	4.64	53.55	109	93	11:44 AM	7/19/2024	NB_TashS	ED 1, 41.289267 -88.260765				
1857	Diamond 07-19_CM.	128	0.016	EB	AC	1	6,122	36.88	27.51	20.44	12.18	7.25	3.34	2.46	2.04	20.10	116	80	11:46 AM	7/19/2024	EB_ClarkSt	41.289319 -88.261760				
1857	Diamond 07-19_CM.	128	0.016	EB	AC	2	8,894	54.86	41.44	31.10	18.86	11.15	4.79	3.49	2.94	30.49	116	80	11:46 AM	7/19/2024	EB_ClarkSt	41.289319 -88.261760				
1857	Diamond 07-19_CM.	128	0.016	EB	AC	3	11,759	75.19	57.22	43.46	26.71	15.76	6.37	4.66	4.03	42.81	116	80	11:46 AM	7/19/2024	EB_ClarkSt	41.289319 -88.261760				
1858	Diamond 07-19_CM.	129	0.055	EB	AC	1	6,199	47.85	35.34	25.71	13.69	6.91	2.88	2.53	2.23	23.30	115	81	11:46 AM	7/19/2024	EB_ClarkS	41.289337 -88.261013				
1858	Diamond 07-19_CM.	129	0.055	EB	AC	2	8,767	68.95	51.50	38.23	20.96	10.58	3.97	3.60	3.23	34.75	115	81	11:46 AM	7/19/2024	EB_ClarkS	41.289337 -88.261013				
1858	Diamond 07-19_CM.	129	0.055	EB	AC	3	11,351	91.00	68.89	51.90	29.08	14.64	5.01	4.69	4.29	47.58	115	81	11:46 AM	7/19/2024	EB_ClarkS	ED 1, 41.289337 -88.261013				
1859	Diamond 07-19_CM.	130	0.101	EB	AC	1	6,049	39.33	28.49	20.30	11.26	6.44	3.20	2.35	1.90	19.92	114	80	11:47 AM	7/19/2024	EB_ClarkS	41.289355 -88.260128				
1859	Diamond 07-19_CM.	130	0.101	EB	AC	2	9,012	59.50	44.13	32.00	18.20	10.29	4.75	3.46	2.81	31.05	114	80	11:47 AM	7/19/2024	EB_ClarkS	41.289355 -88.260128				
1859	Diamond 07-19_CM.	130	0.101	EB	AC	3	11,864	79.35	60.02	44.22	25.62	14.43	6.31	4.62	3.80	43.12	114	80	11:47 AM	7/19/2024	EB_ClarkS	41.289355 -88.260128				
1860	Diamond 07-19_CM.	131	0.128	EB	AC	1	5,994	36.34	25.72	18.49	10.67	6.43	3.21	2.20	1.73	17.52	114	89	11:47 AM	7/19/2024	EB_ClarkSt	41.289374 -88.259616				
1860	Diamond 07-19_CM.	131	0.128	EB	AC	2	9,025	56.25	40.50	29.53	17.17	10.23	4.87	3.31	2.61	27.82	114	89	11:47 AM	7/19/2024	EB_ClarkSt	41.289374 -88.259616				
1860	Diamond 07-19_CM.	131	0.128	EB	AC	3	12,072	74.79	55.36	41.00	24.03	14.25	6.58	4.47	3.56	38.88	114	89	11:47 AM	7/19/2024	EB_ClarkSt	41.289374 -88.259616				
1861	Diamond 07-19_CM.	133	0.174	EB	AC	1	6,167	25.50	19.28	10.22	6.76	3.71	2.45	1.86	14.64	112	91	11:48 AM	7/19/2024	EB_ClarkS	41.289402 -88.258742					
1861	Diamond 07-19_CM.	133	0.174	EB	AC	2	9,025	38.51	29.33	23.39	15.85	10.54	5.65	3.73	2.88	22.33	112	91	11:48 AM	7/19/2024	EB_ClarkS	41.289402 -88.258742				
1861	Diamond 07-19_CM.	133	0.174	EB	AC	3	12,100	52.77	40.33	32.28	22.13	14.67	7.62	5.00	3.86	31.01	112	91	11:48 AM	7/19/2024	EB_ClarkS	41.289402 -88.258742				
1862	Diamond 07-19_CM.	134	0.205	EB	AC	1	6,173	30.92	23.15	17.62	10.31	6.41	3.29	2.20	1.70	15.31	113	93	11:49 AM	7/19/2024	EB_ClarkSt	41.289420 -88.258156				
1862	Diamond 07-19_CM.	134	0.205	EB	AC	2	8,977	46.26	35.14	27.17	16.72	10.16	4.98	3.31	2.61	24.07	113	93	11:49 AM	7/19/2024	EB_ClarkSt	41.289420 -88.258156				
1862	Diamond 07-19_CM.	134	0.205	EB	AC	3	11,772	58.99	46.45	36.72	22.93	13.88	6.56	4.32	0.06	32.84	113	93	11:49 AM	7/19/2024	EB_ClarkSt	41.289420 -88.258156				
1863	Diamond 07-19_CM.	135	0.224	EB	AC	1	6,409	24.82	18.04	13.76	9.25	6.51	3.73	2.49	1.87	13.57	106	93	11:50 AM	7/19/2024	EB_ClarkSt	41.289431 -88.257783				
1863	Diamond 07-19_CM.	135	0.224	EB	AC	2	9,153	35.28	26.02	20.01	13.52	9.49	5.35	3.52	2.66	19.57	106	93	11:50 AM	7/19/2024	EB_ClarkSt	41.289431 -88.257783				
1863	Diamond 07-19_CM.	135	0.224	EB	AC	3	11,848	46.12	34.23	26.39	17.94	12.58	7.01	4.58	3.49	25.81	106	93	11:50 AM	7/19/2024	EB_ClarkSt	41.289431 -88.257783				
1864	Diamond 07-19_CM.	136	0.258	EB	AC	1	6,186	27.12	20.23	15.53	10.31	7.09	3.84	2.51	1.93	15.48	107	92	11:51 AM	7/19/2024	EB_ClarkS	41.289446 -88.257129				
1864	Diamond 07-19_CM.	136	0.258	EB	AC	2	8,907	40.37	30.64	23.75	15.94	10.97	5.79	3.71	2.85	23.47	107	92	11:51 AM	7/19/2024	EB_ClarkS	41.289446 -88.257129				
1864	Diamond 07-19_CM.	136	0.258	EB	AC	3	11,743	54.09	41.53	32.35	21.89	15.06	7.77	4.90	3.79	32.19	107	92	11:51 AM	7/19/2024	EB_ClarkS	41.289446 -88.257129				
1865	Diamond 07-19_CM.	137	0.294	EB	AC	1	6,400	15.75	12.63	10.52	7.80	5.86	3.51	2.29	1.71	10.07	109	95	11:51 AM	7/19/2024	EB_ClarkSt	41.289458 -88.256445				
1865	Diamond 07-19_CM.	137	0.294	EB	AC	2	9,169	22.90	18.41	15.34	11.37	8.55	5.10	3.32	2.49	14.70	109	95	11:51 AM	7/19/2024	EB_ClarkSt	41.289458 -88.256445				
1865	Diamond 07-19_CM.	137	0.294	EB	AC	3	12,040	30.54	24.50	20.41	15.12	11.33	6.67	4.29	3.22	19.63	109	95	11:51 AM	7/19/2024	EB_ClarkSt	41.289462 -88.255948				
1866	Diamond 07-19_CM.	138	0.32	EB	AC	1	6,122	20.06	15.14	11.63	8.16	5.97	3.63	2.45	1.83	11.07	107	97	11:52 AM	7/19/2024	EB_ClarkS	41.289462 -88.255948				
1866	Diamond 07-19_CM.	138	0.32	EB	AC	2	8,897	28.76	22.00	17.10	12.14	8.93	5.42	3.66	2.81	16.31	107	97	11:52 AM	7/19/2024	EB_ClarkS	41.289462 -88.255948				
1866	Diamond 07-19_CM.	138	0.32	EB	AC	3	11,845	38.03	29.24	22.84	16.30	11.98	7.17	4.79	3.67	21.86	107	97	11:52 AM	7/19/2024	EB_ClarkS	41.289462 -88.255948				
1867	Diamond 07-19_CM.	139	0.36	EB	AC	1	6,202	26.38	19.75	14.93	9.96	6.83	3.68	2.37	1.83	14.97	112	99	11:52 AM	7/19/2024	EB_ClarkS	41.289475 -88.255186				
1867	Diamond 07-19_CM.	139	0																							

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1873	Diamond	07-19_CM	149	0.586	EB	AC	1	6,467	12.88	10.46	9.03	7.06	5.51	3.48	2.31	1.72	8.89	83	86	11:58 AM	7/19/2024	EB_ClarkSt	41.289551	-88.250888		
1873	Diamond	07-19_CM	149	0.586	EB	AC	2	9,290	18.61	15.17	13.12	10.26	8.02	5.03	3.33	2.47	12.84	83	86	11:58 AM	7/19/2024	EB_ClarkSt	41.289551	-88.250888		
1873	Diamond	07-19_CM	149	0.586	EB	AC	3	12,244	24.80	20.18	17.46	13.65	10.66	6.65	4.34	3.20	17.06	83	86	11:58 AM	7/19/2024	EB_ClarkSt	41.289551	-88.250888		
1874	Diamond	07-19_CM	150	0.633	EB	AC	1	6,310	14.72	13.12	11.70	9.58	7.81	5.01	3.16	2.09	10.93	88	94	11:59 AM	7/19/2024	EB_ClarkS	41.289574	-88.249985		
1874	Diamond	07-19_CM	150	0.633	EB	AC	2	8,961	21.18	18.85	16.80	13.75	11.18	7.13	4.45	2.92	15.73	88	94	11:59 AM	7/19/2024	EB_ClarkS	41.289574	-88.249985		
1874	Diamond	07-19_CM	150	0.633	EB	AC	3	12,081	28.79	25.56	22.79	18.63	15.12	9.59	5.93	3.91	21.45	88	94	11:59 AM	7/19/2024	EB_ClarkS	41.289574	-88.249985		
1875	Diamond	07-19_CM	151	0.687	EB	AC	1	6,205	24.05	19.33	16.05	11.80	8.50	4.46	2.74	2.04	15.52	105	96	12:00 PM	7/19/2024	EB_ClarkS	41.289588	-88.248947		
1875	Diamond	07-19_CM	151	0.687	EB	AC	2	8,786	34.49	27.75	23.14	16.91	12.14	6.29	3.87	2.97	22.22	105	96	12:00 PM	7/19/2024	EB_ClarkS	41.289588	-88.248947		
1875	Diamond	07-19_CM	151	0.687	EB	AC	3	11,740	47.09	37.65	31.66	22.77	16.21	8.15	4.93	3.87	30.18	105	96	12:00 PM	7/19/2024	EB_ClarkS	41.289588	-88.248947		
1876	Diamond	07-19_CM	152	0.725	EB	AC	1	6,304	20.02	15.44	12.12	8.41	5.98	3.37	2.22	1.70	10.56	107	96	12:00 PM	7/19/2024	EB_ClarkS	41.289607	-88.248232		
1876	Diamond	07-19_CM	152	0.725	EB	AC	2	8,875	28.93	22.23	17.42	12.00	8.45	4.68	3.10	2.40	15.15	107	96	12:00 PM	7/19/2024	EB_ClarkS	41.289607	-88.248232		
1876	Diamond	07-19_CM	152	0.725	EB	AC	3	11,813	39.50	30.22	23.66	16.19	11.30	6.10	4.02	3.19	20.76	107	96	12:00 PM	7/19/2024	EB_ClarkS	41.289607	-88.248232		
1877	Diamond	07-19_CM	153	0.768	EB	AC	1	6,189	17.84	13.90	11.20	8.17	6.04	3.60	2.33	1.70	11.11	109	104	12:01 PM	7/19/2024	EB_ClarkS	41.289635	-88.247405		
1877	Diamond	07-19_CM	153	0.768	EB	AC	2	8,792	26.07	20.31	16.37	11.94	8.80	5.20	3.37	2.48	16.13	109	104	12:01 PM	7/19/2024	EB_ClarkS	41.289635	-88.247405		
1877	Diamond	07-19_CM	153	0.768	EB	AC	3	11,711	35.35	27.55	22.21	16.18	11.89	6.94	4.45	3.27	21.81	109	104	12:01 PM	7/19/2024	EB_ClarkS	41.289635	-88.247405		
1878	Diamond	07-19_CM	154	0.016	EB	AC	1	6,077	27.83	22.13	17.60	12.01	7.98	3.85	2.39	1.90	16.85	107	96	12:04 PM	7/19/2024	PeachTreeLn	41.291523	-88.251006		
1878	Diamond	07-19_CM	154	0.016	EB	AC	2	8,757	41.56	33.18	26.60	18.25	12.13	5.70	3.46	2.81	25.56	107	96	12:04 PM	7/19/2024	PeachTreeLn	41.291523	-88.251006		
1878	Diamond	07-19_CM	154	0.016	EB	AC	3	11,654	56.36	44.99	36.22	25.01	16.71	7.63	4.54	3.78	35.16	107	96	12:04 PM	7/19/2024	PeachTreeLn	41.291523	-88.251006		
1879	Diamond	07-19_CM	155	0.045	EB	AC	1	6,243	15.52	12.00	9.77	7.08	5.22	3.09	2.02	1.45	9.63	104	93	12:05 PM	7/19/2024	PeachTreeLn	41.291542	-88.250458		
1879	Diamond	07-19_CM	155	0.045	EB	AC	2	9,194	23.19	18.10	14.76	10.73	7.93	4.67	3.03	2.17	14.45	104	93	12:05 PM	7/19/2024	PeachTreeLn	41.291542	-88.250458		
1879	Diamond	07-19_CM	155	0.045	EB	AC	3	12,037	31.20	24.39	19.95	14.53	10.75	6.29	4.04	2.89	19.59	104	93	12:05 PM	7/19/2024	PeachTreeLn	41.291542	-88.250458		
1880	Diamond	07-19_CM	156	0.082	EB	AC	1	6,084	20.76	17.85	14.82	10.79	7.72	3.89	2.21	1.57	12.34	108	94	12:06 PM	7/19/2024	PeachTree	41.291541	-88.249741		
1880	Diamond	07-19_CM	156	0.082	EB	AC	2	8,942	32.06	27.20	22.47	16.28	11.58	5.75	3.20	2.28	19.14	108	94	12:06 PM	7/19/2024	PeachTree	41.291541	-88.249741		
1880	Diamond	07-19_CM	156	0.082	EB	AC	3	11,663	43.29	36.47	30.12	21.81	15.52	7.53	4.14	2.98	26.19	108	94	12:06 PM	7/19/2024	PeachTree	41.291541	-88.249741		
1881	Diamond	07-19_CM	157	0.017	SB	AC	1	6,317	22.48	18.12	14.40	9.91	6.77	3.49	2.21	1.65	13.43	103	90	12:06 PM	7/19/2024	B_Oakley	41.291357	-88.249600		
1881	Diamond	07-19_CM	157	0.017	SB	AC	2	8,948	33.24	26.87	21.34	14.66	9.95	5.01	3.11	2.35	19.89	103	90	12:06 PM	7/19/2024	B_Oakley	41.291357	-88.249600		
1881	Diamond	07-19_CM	157	0.017	SB	AC	3	11,756	45.95	37.16	29.58	20.28	13.68	6.68	4.08	3.12	27.71	103	90	12:06 PM	7/19/2024	B_Oakley	41.291357	-88.249600		
1882	Diamond	07-19_CM	158	0.049	SB	AC	1	6,253	24.31	18.50	14.49	9.67	6.35	3.12	2.06	1.63	14.43	104	91	12:07 PM	7/19/2024	B_Oakley	41.290894	-88.249584		
1882	Diamond	07-19_CM	158	0.049	SB	AC	2	8,869	35.07	26.88	21.11	14.12	9.26	4.41	2.87	2.30	20.90	104	91	12:07 PM	7/19/2024	B_Oakley	41.290894	-88.249584		
1882	Diamond	07-19_CM	158	0.049	SB	AC	3	11,686	48.12	36.98	29.11	19.48	12.76	5.91	3.82	3.12	28.80	104	91	12:07 PM	7/19/2024	B_Oakley	41.290894	-88.249584		
1883	Diamond	07-19_CM	160	0.098	SB	AC	1	6,132	37.97	28.52	21.80	13.47	7.84	2.64	1.94	1.90	18.65	90	95	12:08 PM	7/19/2024	B_Oakley	41.290196	-88.249562		
1883	Diamond	07-19_CM	160	0.098	SB	AC	2	8,853	56.50	42.62	32.89	20.55	11.98	3.77	2.73	2.81	28.66	90	95	12:08 PM	7/19/2024	B_Oakley	41.290196	-88.249562		
1883	Diamond	07-19_CM	160	0.098	SB	AC	3	11,475	75.48	57.27	44.54	28.12	16.40	4.86	3.48	3.24	39.54	90	95	12:08 PM	7/19/2024	B_Oakley	41.290196	-88.249562		
1884	Diamond	07-19_CM	161	0.128	SB	AC	1	6,186	23.98	17.96	13.54	8.50	5.19	2.90	2.05	1.64	12.97	104	89	12:09 PM	7/19/2024	B_Oakley	41.289761	-88.249557		
1884	Diamond	07-19_CM	161	0.128	SB	AC	2	8,939	35.35	26.55	20.10	12.64	7.60	4.10	2.91	2.35	19.22	104	89	12:09 PM	7/19/2024	B_Oakley	41.289761	-88.249557		
1884	Diamond	07-19_CM	161	0.128	SB	AC	3	11,832	47.81	35.92	27.23	17.13	10.13	5.34	3.84	3.18	26.20	104	89	12:09 PM	7/19/2024	B_Oakley	41.289761	-88.249557		
1885	Diamond	07-19_CM	162	0.161	SB	AC	1	6,301	22.24	16.74	13.93	10.26	7.50	4.23	2.79	2.21	15.89	98	89	12:09 PM	7/19/2024	B_Oakley	41.289288	-88.249581		
1885	Diamond	07-19_CM	162	0.161	SB	AC	2	9,047	32.79	24.97	20.86	15.39	11.25	6.24	4.01	3.13	23.08	98	89	12:09 PM	7/19/2024	B_Oakley	41.289288	-88.249581		
1885	Diamond	07-19_CM	162	0.161	SB	AC	3	11,762	44.65	34.12	28.53	21.08	15.41	8.44	5.33	4.15	31.04	98	89	12:09 PM	7/19/2024	B_Oakley	41.289288	-88.249581		
1886	Diamond	07-19_CM	164	0.201	SB	AC	1	6,387	21.28	16.67	13.72	10.09	7.27	4.12	2.65	2.08	13.05	102	97	12:10 PM	7/19/2024	B_Oakley	41.288715	-88.249563		
1886	Diamond	07-19_CM	164	0.201	SB	AC	2	9,067	30.97	24.44	20.21	14.89	10.72	5.96	3.76	2.91	19.20	102	97	12:10 PM	7/19/2024	B_Oakley	41.288715	-88.249563		
1886	Diamond	07-19_CM	165	0.028	NB	AC	1	11,858	41.35	32.74	27.22	20.11	14.46	7.93	4.90	3.79	25.91	102	97	12:10 PM	7/19/2024	B_Oakley	41.288715	-88.249563		
1887	Diamond	07-19_CM	165	0.028	NB	AC	2	6,074	18.74	14.51	12.04	8.78	6.48	3.71	2.41	1.84	11.32	99	92	12:11 PM	7/19/2024	B_School	41.288912	-88.251387		
1887	Diamond	07-19_CM	165	0.028	NB	AC	3	8,901	28.19	21.81	18.08	13.17	9.70	5.46	3.47	2.63	17.02	99	92	12:11 PM	7/19/2024	B_School	41.288912	-88.251387		
1887	Diamond	07-19_CM	165	0.028	NB	AC	3	11,890	38.19	29.56	24.51	17.87	13.17	7.35	4.64	3.54	23.21	99	92	12:11 PM	7/19/2024	B_School	41.288912	-88.251387		
1888	Diamond	07-19_CM	166	0.062	NB	AC	1	6,253	19.00	1																

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1893	Diamond	07-19_CM	171	0.261	NB	AC	3	12,078	26.65	21.04	17.09	12.21	8.58	4.57	3.06	2.52	14.48	109	91	12:15 PM	7/19/2024	B_SchoolS		41.292262	-88.251304	
1894	Diamond	07-19_CM	172	0.292	NB	AC	1	5,797	35.60	26.58	19.85	12.02	6.94	3.08	2.20	1.87	19.34	107	93	12:16 PM	7/19/2024	B_SchoolS		41.292714	-88.251310	
1894	Diamond	07-19_CM	172	0.292	NB	AC	2	8,598	54.78	41.06	31.03	19.16	11.06	4.60	3.36	3.18	30.19	107	93	12:16 PM	7/19/2024	B_SchoolS		41.292714	-88.251310	
1894	Diamond	07-19_CM	172	0.292	NB	AC	3	11,466	74.48	56.32	42.92	26.87	15.49	5.95	4.01	0.07	42.07	107	93	12:16 PM	7/19/2024	B_SchoolS		41.292714	-88.251310	
1895	Diamond	07-19_CM	174	0.322	NB	AC	1	6,068	40.45	28.77	20.50	11.29	5.94	2.33	1.89	1.64	19.44	107	94	12:17 PM	7/19/2024	B_SchoolSt		41.293145	-88.251321	
1895	Diamond	07-19_CM	174	0.322	NB	AC	2	8,968	62.54	44.78	32.34	18.12	9.52	3.40	2.88	2.62	30.94	107	94	12:17 PM	7/19/2024	B_SchoolSt		41.293145	-88.251321	
1895	Diamond	07-19_CM	174	0.322	NB	AC	3	11,781	84.52	61.01	44.75	25.35	13.26	4.27	3.74	3.51	42.94	107	94	12:17 PM	7/19/2024	B_SchoolS ED 1,		41.293145	-88.251321	
1896	Diamond	07-19_CM	175	0.016	EB	AC	1	6,042	29.74	21.96	17.34	11.34	7.34	3.22	1.99	1.64	16.61	108	88	12:18 PM	7/19/2024	CherryTreeLn		41.292460	-88.251032	
1896	Diamond	07-19_CM	175	0.016	EB	AC	2	9,111	46.47	34.60	27.49	18.06	11.58	4.73	2.91	2.53	26.43	108	88	12:18 PM	7/19/2024	CherryTreeLn		41.292460	-88.251032	
1896	Diamond	07-19_CM	175	0.016	EB	AC	3	12,017	63.54	47.69	38.07	25.10	16.02	6.07	3.65	3.35	36.75	108	88	12:18 PM	7/19/2024	CherryTreeLn		41.292460	-88.251032	
1897	Diamond	07-19_CM	177	0.062	EB	AC	1	8,339	39.98	27.72	21.61	14.01	9.39	4.76	3.03	2.36	24.01	108	98	12:20 PM	7/19/2024	CherryTreeLn		41.292475	-88.250151	
1897	Diamond	07-19_CM	177	0.062	EB	AC	2	8,422	39.66	28.35	22.11	14.36	9.59	4.83	3.09	2.41	24.05	108	98	12:20 PM	7/19/2024	CherryTreeLn		41.292475	-88.250151	
1897	Diamond	07-19_CM	177	0.062	EB	AC	3	11,309	54.49	39.54	30.98	19.90	13.21	6.52	4.15	3.26	32.95	108	98	12:20 PM	7/19/2024	CherryTreeLn		41.292475	-88.250151	
1898	Diamond	07-19_CM	178	0.473	SB	AC	1	6,199	14.36	10.28	8.13	5.81	4.32	2.78	1.96	1.52	8.15	107	97	12:24 PM	7/19/2024	B_SchoolS		41.288096	-88.251398	
1898	Diamond	07-19_CM	178	0.473	SB	AC	2	9,092	21.66	15.65	12.37	8.83	6.53	4.12	2.87	2.21	12.20	107	97	12:24 PM	7/19/2024	B_SchoolS		41.288096	-88.251398	
1898	Diamond	07-19_CM	178	0.473	SB	AC	3	11,925	28.90	20.91	16.57	11.83	8.74	5.49	3.82	2.97	16.25	107	97	12:24 PM	7/19/2024	B_SchoolS		41.288096	-88.251398	
1899	Diamond	07-19_CM	179	0.511	SB	AC	1	5,969	23.22	16.69	13.04	9.25	6.76	3.99	2.60	1.97	12.63	111	97	12:25 PM	7/19/2024	B_SchoolS		41.287541	-88.251385	
1899	Diamond	07-19_CM	179	0.511	SB	AC	2	8,843	34.40	24.87	19.40	13.70	9.90	5.68	3.62	2.72	18.59	111	97	12:25 PM	7/19/2024	B_SchoolS		41.287541	-88.251385	
1899	Diamond	07-19_CM	179	0.511	SB	AC	3	11,759	46.53	33.71	26.33	18.55	13.32	7.47	4.72	3.64	25.09	111	97	12:25 PM	7/19/2024	B_SchoolS		41.287541	-88.251385	
1900	Diamond	07-19_CM	180	0.546	SB	AC	1	6,055	26.59	21.49	16.93	11.31	7.74	4.37	2.81	2.09	12.28	113	98	12:26 PM	7/19/2024	B_SchoolS		41.287041	-88.251340	
1900	Diamond	07-19_CM	180	0.546	SB	AC	2	8,763	39.58	31.75	25.30	17.04	11.59	6.35	4.00	2.93	19.10	113	98	12:26 PM	7/19/2024	B_SchoolS		41.287041	-88.251340	
1900	Diamond	07-19_CM	180	0.546	SB	AC	3	11,730	52.87	42.48	34.26	23.21	15.74	8.45	5.31	3.99	26.56	113	98	12:26 PM	7/19/2024	B_SchoolS		41.287041	-88.251340	
1901	Diamond	07-19_CM	181	0.024	EB	AC	1	5,864	44.26	32.07	24.60	15.47	9.31	3.96	2.65	2.23	24.58	111	99	12:27 PM	7/19/2024	B_Skinner		41.286975	-88.250922	
1901	Diamond	07-19_CM	181	0.024	EB	AC	2	8,441	64.68	47.60	36.88	23.48	14.14	5.78	3.80	3.26	36.72	111	99	12:27 PM	7/19/2024	B_Skinner		41.286975	-88.250922	
1901	Diamond	07-19_CM	181	0.024	EB	AC	3	11,402	86.96	64.15	50.76	32.32	19.52	7.79	5.16	3.82	49.69	111	99	12:27 PM	7/19/2024	B_Skinner	ED 1,	41.286975	-88.250922	
1902	Diamond	07-19_CM	182	0.044	EB	AC	1	6,116	38.35	28.21	20.90	13.00	8.32	4.14	2.62	1.99	19.03	107	88	12:27 PM	7/19/2024	B_SkinnerSt		41.286983	-88.250527	
1902	Diamond	07-19_CM	182	0.044	EB	AC	2	8,853	55.78	41.65	31.31	19.71	12.59	6.11	3.83	2.95	28.61	107	88	12:27 PM	7/19/2024	B_SkinnerSt		41.286983	-88.250527	
1902	Diamond	07-19_CM	182	0.044	EB	AC	3	11,855	74.64	56.37	43.01	27.23	17.41	8.30	5.17	4.01	39.51	107	88	12:27 PM	7/19/2024	B_SkinnerSt		41.286983	-88.250527	
1903	Diamond	07-19_CM	183	0.074	EB	AC	1	6,227	25.97	18.73	14.09	9.50	6.60	3.72	2.48	1.90	14.02	110	90	12:28 PM	7/19/2024	B_Skinner		41.286993	-88.249961	
1903	Diamond	07-19_CM	183	0.074	EB	AC	2	9,015	37.98	27.60	20.86	14.02	9.63	5.27	3.46	2.68	20.60	110	90	12:28 PM	7/19/2024	B_Skinner		41.286993	-88.249961	
1903	Diamond	07-19_CM	183	0.074	EB	AC	3	11,928	50.71	37.07	28.16	18.96	12.87	6.85	4.49	3.57	27.77	110	90	12:28 PM	7/19/2024	B_Skinner		41.286993	-88.249961	
1904	Diamond	07-19_CM	184	0.09	EB	AC	1	6,202	24.00	18.37	14.38	10.02	7.06	4.04	2.69	2.02	13.47	109	85	12:28 PM	7/19/2024	B_Skinner		41.286996	-88.249645	
1904	Diamond	07-19_CM	184	0.09	EB	AC	2	9,210	35.73	27.30	21.38	14.87	10.41	5.87	3.89	2.97	20.15	109	85	12:28 PM	7/19/2024	B_Skinner		41.286996	-88.249645	
1904	Diamond	07-19_CM	184	0.09	EB	AC	3	12,014	46.88	35.85	28.11	19.54	13.64	7.55	4.98	3.85	26.63	109	85	12:28 PM	7/19/2024	B_Skinner		41.286996	-88.249645	
1905	Diamond	07-19_CM	185	0.014	WB	AC	1	6,173	21.98	16.20	13.01	9.19	6.57	3.86	2.63	2.00	14.26	85	98	12:29 PM	7/19/2024	B_Perona		41.288003	-88.249778	
1905	Diamond	07-19_CM	185	0.014	WB	AC	2	9,127	32.98	24.98	20.30	14.36	10.23	5.90	3.99	3.04	21.33	85	98	12:29 PM	7/19/2024	B_Perona		41.288003	-88.249778	
1905	Diamond	07-19_CM	185	0.014	WB	AC	3	12,017	44.78	34.67	28.37	20.14	14.30	8.00	5.29	4.03	29.09	85	98	12:29 PM	7/19/2024	B_Perona		41.288003	-88.249778	
1906	Diamond	07-19_CM	187	0.051	WB	AC	1	6,106	16.07	11.96	10.08	7.70	5.90	3.70	2.51	1.99	10.42	87	96	12:31 PM	7/19/2024	B_PeronaCt		41.287994	-88.250509	
1906	Diamond	07-19_CM	187	0.051	WB	AC	2	9,191	24.58	18.82	15.81	12.08	9.21	5.66	3.77	3.01	15.38	87	96	12:31 PM	7/19/2024	B_PeronaCt		41.287994	-88.250509	
1906	Diamond	07-19_CM	187	0.051	WB	AC	3	12,269	32.64	26.70	22.34	17.07	13.00	7.84	5.16	4.06	20.03	87	96	12:31 PM	7/19/2024	B_PeronaCt		41.287994	-88.250509	
1907	Diamond	07-19_CM	188	0.081	WB	AC	1	6,508	12.47	10.40	8.94	6.88	5.23	3.19	2.12	1.64	8.89	104	97	12:31 PM	7/19/2024	B_PeronaCt		41.287615	-88.250645	
1907	Diamond	07-19_CM	188	0.081	WB	AC	2	9,382	18.25	15.31	13.18	10.17	7.74	4.64	3.05	2.33	12.98	104	97	12:31 PM	7/19/2024	B_PeronaCt		41.287615	-88.250645	
1907	Diamond	07-19_CM	188	0.081	WB	AC	3	12,199	24.11	20.21	17.44	13.44	10.23	6.15	3.98	3.09	17.11	104	97	12:31 PM	7/19/2024	B_PeronaCt		41.287615	-88.250645	
1908	Diamond	07-19_CM	190	0.113	WB	AC	1	6,017	14.87	12.44	10.37	7.84	5.89	3.46	2.28	1.82	9.74	79	88	12:32 PM	7/19/2024	B_PeronaCt		41.287142	-88.250635	
1908	Diamond	07-19_CM	190	0.113	WB	AC	2	8,968	22.57	19.16	15.87	12.01	8.98	5.19	3.32											

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1914	Diamond 07-19_CM	196	0.018	WB	AC	2	8,843	22.16	16.81	13.41	9.43	6.77	3.98	2.70	2.10	12.94	103	85	12:39 PM	7/19/2024	VB_GirotL	41.284330	-88.247221			
1914	Diamond 07-19_CM	196	0.018	WB	AC	3	11,711	30.22	23.06	18.42	12.97	9.27	5.31	3.56	2.78	17.80	103	85	12:39 PM	7/19/2024	VB_GirotL	41.284330	-88.247221			
1915	Diamond 07-19_CM	197	0.061	WB	AC	1	6,084	28.44	22.13	17.95	12.39	8.34	3.63	2.09	1.77	17.78	105	90	12:39 PM	7/19/2024	VB_GirotLn	41.284288	-88.248026			
1915	Diamond 07-19_CM	197	0.061	WB	AC	2	8,767	43.40	34.16	27.94	19.29	12.92	5.35	2.99	2.68	27.31	105	90	12:39 PM	7/19/2024	VB_GirotLn	41.284288	-88.248026			
1915	Diamond 07-19_CM	197	0.061	WB	AC	3	11,593	59.42	47.20	38.90	26.91	17.95	7.03	3.79	3.60	37.81	105	90	12:39 PM	7/19/2024	VB_GirotLn	41.284288	-88.248026			
1916	Diamond 07-19_CM	198	0.119	WB	AC	1	6,205	29.10	21.18	15.85	9.49	5.38	2.11	1.81	1.70	13.15	103	94	12:40 PM	7/19/2024	VB_GirotLn	41.283951	-88.249044			
1916	Diamond 07-19_CM	198	0.119	WB	AC	2	8,872	43.97	32.06	24.07	14.41	8.00	2.76	2.43	2.34	20.16	103	94	12:40 PM	7/19/2024	VB_GirotLn	41.283951	-88.249044			
1916	Diamond 07-19_CM	198	0.119	WB	AC	3	11,526	59.38	43.59	33.00	19.89	10.92	3.41	3.12	3.16	28.16	103	94	12:40 PM	7/19/2024	VB_GirotL ND 7-8,	41.283951	-88.249044			
1917	Diamond 07-19_CM	199	0.148	WB	AC	1	6,218	29.11	21.05	15.77	9.86	6.35	3.30	2.31	1.90	15.49	102	95	12:41 PM	7/19/2024	VB_GirotLn	41.283927	-88.249595			
1917	Diamond 07-19_CM	199	0.148	WB	AC	2	8,690	42.09	31.03	23.49	14.70	9.34	4.66	3.34	2.83	22.71	102	95	12:41 PM	7/19/2024	VB_GirotLn	41.283927	-88.249595			
1917	Diamond 07-19_CM	199	0.148	WB	AC	3	11,475	57.71	43.08	32.92	20.65	12.87	6.02	4.29	3.73	31.79	102	95	12:41 PM	7/19/2024	VB_GirotLn	41.283927	-88.249595			
1918	Diamond 07-19_CM	200	0.179	WB	AC	1	6,224	33.78	24.69	18.76	12.03	7.73	3.63	2.38	1.93	18.69	102	93	12:41 PM	7/19/2024	VB_GirotLn	41.283917	-88.250180			
1918	Diamond 07-19_CM	200	0.179	WB	AC	2	8,824	50.65	37.41	28.50	18.22	11.58	5.22	3.46	2.94	28.17	102	93	12:41 PM	7/19/2024	VB_GirotLn	41.283917	-88.250180			
1918	Diamond 07-19_CM	200	0.179	WB	AC	3	11,494	69.31	51.82	39.78	25.34	15.88	6.65	4.31	3.82	39.16	102	93	12:41 PM	7/19/2024	VB_GirotLn	41.283917	-88.250180			
1919	Diamond 07-19_CM	201	0.242	NB	AC	1	6,329	24.76	18.63	14.68	10.12	7.06	3.74	2.38	1.89	14.79	103	91	12:43 PM	7/19/2024	IB_CalkeyS	41.283488	-88.249774			
1919	Diamond 07-19_CM	201	0.242	NB	AC	2	9,028	37.60	28.21	22.17	15.18	10.49	5.38	3.39	2.77	22.28	103	91	12:43 PM	7/19/2024	IB_CalkeyS	41.283488	-88.249774			
1919	Diamond 07-19_CM	201	0.242	NB	AC	3	11,832	52.01	39.14	30.76	20.99	14.37	7.07	4.34	3.67	30.92	103	91	12:43 PM	7/19/2024	IB_CalkeyS	41.283488	-88.249774			
1920	Diamond 07-19_CM	202	0.265	NB	AC	1	6,029	27.08	21.49	17.18	11.75	8.00	4.05	2.55	1.97	16.04	105	89	12:43 PM	7/19/2024	IB_CalkeyS	41.283816	-88.249780			
1920	Diamond 07-19_CM	202	0.265	NB	AC	2	9,051	41.79	33.24	26.75	18.39	12.46	6.13	3.86	3.12	25.14	105	89	12:43 PM	7/19/2024	IB_CalkeyS	41.283816	-88.249780			
1920	Diamond 07-19_CM	202	0.265	NB	AC	3	11,788	56.12	44.79	36.27	25.08	16.96	8.04	4.92	4.04	34.17	105	89	12:43 PM	7/19/2024	IB_CalkeyS	41.283816	-88.249780			
1921	Diamond 07-19_CM	203	0.294	NB	AC	1	6,065	25.90	18.79	14.08	9.04	5.85	2.91	1.94	1.59	13.55	105	86	12:44 PM	7/19/2024	IB_CalkeySt	41.284236	-88.249791			
1921	Diamond 07-19_CM	203	0.294	NB	AC	2	8,920	40.70	29.81	22.35	14.27	9.09	4.29	2.87	2.48	21.28	105	86	12:44 PM	7/19/2024	IB_CalkeySt	41.284236	-88.249791			
1921	Diamond 07-19_CM	203	0.294	NB	AC	3	11,749	56.13	41.52	31.31	19.88	12.46	5.48	3.67	3.33	29.91	105	86	12:44 PM	7/19/2024	IB_CalkeySt	41.284236	-88.249791			
1922	Diamond 07-19_CM	204	0.355	NB	AC	1	6,179	23.05	16.28	12.74	8.50	5.75	3.09	2.14	1.80	14.40	107	92	12:44 PM	7/19/2024	IB_CalkeyS	41.285121	-88.249808			
1922	Diamond 07-19_CM	204	0.355	NB	AC	2	8,821	33.94	24.49	19.32	12.93	8.66	4.46	3.00	2.52	21.18	107	92	12:44 PM	7/19/2024	IB_CalkeyS	41.285121	-88.249808			
1922	Diamond 07-19_CM	204	0.355	NB	AC	3	11,714	46.33	33.96	26.98	18.10	12.12	6.07	4.02	3.43	28.90	107	92	12:44 PM	7/19/2024	IB_CalkeyS	41.285121	-88.249808			
1923	Diamond 07-19_CM	205	0.385	EB	AC	1	6,148	27.00	20.61	16.18	10.94	7.32	3.53	2.28	1.94	15.80	112	92	12:45 PM	7/19/2024	B_Sterlingt	41.285322	-88.249455			
1923	Diamond 07-19_CM	205	0.385	EB	AC	2	8,799	40.18	30.76	24.25	16.44	10.97	5.06	3.17	2.74	23.68	112	92	12:45 PM	7/19/2024	B_Sterlingt	41.285322	-88.249455			
1923	Diamond 07-19_CM	205	0.385	EB	AC	3	11,743	55.24	42.45	33.66	22.91	15.26	6.80	4.14	3.66	32.90	112	92	12:45 PM	7/19/2024	B_Sterlingt	41.285322	-88.249455			
1924	Diamond 07-19_CM	206	0.421	EB	AC	1	8,330	38.05	28.06	20.40	11.90	6.83	3.24	2.66	2.40	20.65	110	92	12:46 PM	7/19/2024	B_Sterlingt	41.285342	-88.248763			
1924	Diamond 07-19_CM	206	0.421	EB	AC	2	8,457	38.13	28.55	20.78	12.14	6.98	3.29	2.71	2.47	21.06	110	92	12:46 PM	7/19/2024	B_Sterlingt	41.285342	-88.248763			
1924	Diamond 07-19_CM	206	0.421	EB	AC	3	11,051	51.69	38.98	28.56	16.75	9.43	4.08	3.48	3.25	28.68	110	92	12:46 PM	7/19/2024	B_Sterlingt	41.285342	-88.248763			
1925	Diamond 07-19_CM	207	0.441	EB	AC	1	6,109	17.66	13.58	10.95	7.50	5.20	2.76	1.78	1.44	10.84	111	99	12:46 PM	7/19/2024	B_Sterlingt	41.285354	-88.248387			
1925	Diamond 07-19_CM	207	0.441	EB	AC	2	8,805	27.00	20.66	16.60	11.31	7.78	4.07	2.62	2.13	16.36	111	99	12:46 PM	7/19/2024	B_Sterlingt	41.285354	-88.248387			
1925	Diamond 07-19_CM	207	0.441	EB	AC	3	11,600	37.33	28.72	22.98	15.56	10.58	5.37	3.39	2.77	22.60	111	99	12:46 PM	7/19/2024	B_Sterlingt	41.285354	-88.248387			
1926	Diamond 07-19_CM	208	0.559	NB	AC	1	6,039	27.06	20.27	15.69	10.19	6.57	3.24	2.33	2.01	15.27	112	92	12:47 PM	7/19/2024	IB_CalkeyS	41.285812	-88.249561			
1926	Diamond 07-19_CM	208	0.559	NB	AC	2	8,802	39.68	30.11	23.48	15.37	9.90	4.71	3.40	2.96	22.70	112	85	12:47 PM	7/19/2024	IB_CalkeyS	41.285812	-88.249561			
1926	Diamond 07-19_CM	208	0.559	NB	AC	3	11,628	53.61	40.95	32.08	21.15	13.62	6.27	4.54	4.04	30.97	112	85	12:47 PM	7/19/2024	IB_CalkeyS	41.285812	-88.249561			
1927	Diamond 07-19_CM	209	0.621	NB	AC	1	6,052	29.61	21.60	16.25	10.07	6.33	3.22	2.26	1.82	15.74	112	94	12:48 PM	7/19/2024	IB_CalkeyS	41.286689	-88.249428			
1927	Diamond 07-19_CM	209	0.621	NB	AC	2	8,776	42.92	31.67	24.02	15.07	9.47	4.69	3.28	2.68	23.12	112	94	12:48 PM	7/19/2024	IB_CalkeyS	41.286689	-88.249428			
1927	Diamond 07-19_CM	209	0.621	NB	AC	3	11,663	57.13	42.25	32.24	20.34	12.74	6.13	4.30	3.63	30.87	112	94	12:48 PM	7/19/2024	IB_CalkeyS	41.286689	-88.249428			
1928	Diamond 07-19_CM	210	0.663	NB	AC	1	6,058	20.98	15.50	12.75	9.62	7.25	4.26	2.67	1.94	13.34	110	87	12:49 PM	7/19/2024	IB_CalkeyS	41.287308	-88.249451			
1928	Diamond 07-19_CM	210	0.663	NB	AC	2	9,067	31.80	23.83	19.62	14.79	11.11	6.42	3.94	2.82	20.42	110	87	12:49 PM	7/19/2024	IB_CalkeyS	41.287308	-88.249451			
1928	Diamond 07-19_CM	210	0.663	NB	AC	3	11,858	42.00	31.78	26.21	19.78	14.86	8.51	5.20	3.78	27.26	110	87	12:49 PM	7/19/2024	IB_CalkeyS	41.287308	-88.249451			
1929	Diamond 07-19_CM	211	0.699	NB	AC	1	6,380	23.51	18.14	14.39	10.23	7.18	3.77	2.31	1.78	13.91	104	81	12:49 PM	7/19/2024	IB_CalkeyS	41.287827	-88.249469			
1929	Diamond 07-19_CM	211	0.699	NB	AC	2	8,948	34.16	26.55	21.19	15.12	10.60	5.44	3.28	2.55	20.61	104	81	12:							

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1935	Diamond	07-19_CM	218	0.289	NB	AC	1	6,419	13.36	9.60	7.56	5.35	3.98	2.56	1.80	1.37	7.97	94	92	12:59 PM	7/19/2024	\B_LauraL	41.278245	-88.256894		
1935	Diamond	07-19_CM	218	0.289	NB	AC	2	8,850	18.70	13.56	10.68	7.53	5.57	3.54	2.50	1.95	11.10	94	92	12:59 PM	7/19/2024	\B_LauraL	41.278245	-88.256894		
1935	Diamond	07-19_CM	218	0.289	NB	AC	3	11,635	24.92	18.14	14.31	10.01	7.35	4.57	3.19	2.50	14.63	94	92	12:59 PM	7/19/2024	\B_LauraL	41.278245	-88.256894		
1936	Diamond	07-19_CM	219	0.359	NB	AC	1	6,313	13.69	10.25	8.16	5.75	4.23	2.69	1.91	1.47	8.10	100	89	12:59 PM	7/19/2024	\B_LauraLn	41.279252	-88.256924		
1936	Diamond	07-19_CM	219	0.359	NB	AC	2	8,687	19.43	14.69	11.65	8.17	5.96	3.73	2.64	2.05	11.45	100	89	12:59 PM	7/19/2024	\B_LauraLn	41.279252	-88.256924		
1936	Diamond	07-19_CM	219	0.359	NB	AC	3	11,488	26.93	20.20	15.94	11.11	8.02	4.89	3.44	2.71	15.63	100	89	12:59 PM	7/19/2024	\B_LauraLn	41.279252	-88.256924		
1937	Diamond	07-19_CM	220	0.425	NB	AC	1	6,275	11.20	8.12	6.48	4.67	3.53	2.29	1.66	1.35	6.76	101	95	1:00 PM	7/19/2024	\B_LauraL	41.280206	-88.256951		
1937	Diamond	07-19_CM	220	0.425	NB	AC	2	8,961	16.27	11.91	9.50	6.84	5.14	3.33	2.42	1.98	9.76	101	95	1:00 PM	7/19/2024	\B_LauraL	41.280206	-88.256951		
1937	Diamond	07-19_CM	220	0.425	NB	AC	3	11,628	21.52	15.71	12.57	9.00	6.71	4.27	3.11	2.53	12.75	101	95	1:00 PM	7/19/2024	\B_LauraL	41.280206	-88.256951		
1938	Diamond	07-19_CM	221	0.491	NB	AC	1	6,135	11.56	8.85	7.22	5.26	3.92	2.48	1.84	1.51	7.20	98	84	1:01 PM	7/19/2024	\B_LauraL	41.281157	-88.256979		
1938	Diamond	07-19_CM	221	0.491	NB	AC	2	8,827	16.69	12.81	10.38	7.55	5.59	3.51	2.59	2.12	10.29	98	84	1:01 PM	7/19/2024	\B_LauraL	41.281157	-88.256979		
1938	Diamond	07-19_CM	221	0.491	NB	AC	3	11,654	22.43	17.16	13.90	10.05	7.37	4.57	3.36	2.80	13.64	98	84	1:01 PM	7/19/2024	\B_LauraL	41.281157	-88.256979		
1939	Diamond	07-19_CM	222	0.529	NB	AC	1	6,106	16.99	13.47	11.15	8.14	5.95	3.40	2.26	1.76	11.00	98	94	1:01 PM	7/19/2024	\B_LauraL	41.281711	-88.256995		
1939	Diamond	07-19_CM	222	0.529	NB	AC	2	8,770	24.81	19.80	16.41	11.96	8.70	4.87	3.20	2.50	16.02	98	94	1:01 PM	7/19/2024	\B_LauraL	41.281711	-88.256995		
1939	Diamond	07-19_CM	222	0.529	NB	AC	3	11,580	34.20	27.31	22.65	16.49	11.94	6.54	4.24	3.36	22.04	98	94	1:01 PM	7/19/2024	\B_LauraL	41.281711	-88.256995		
1940	Diamond	07-19_CM	223	0.56	NB	AC	1	6,409	16.28	12.80	10.59	7.76	5.77	3.33	2.25	1.74	9.60	101	85	1:02 PM	7/19/2024	\B_LauraL	41.282157	-88.257000		
1940	Diamond	07-19_CM	223	0.56	NB	AC	2	9,047	23.51	18.47	15.25	11.11	8.18	4.68	3.08	2.39	13.91	101	85	1:02 PM	7/19/2024	\B_LauraL	41.282157	-88.257000		
1940	Diamond	07-19_CM	223	0.56	NB	AC	3	11,628	31.33	24.59	20.29	14.72	10.78	6.10	3.96	3.12	18.65	101	85	1:02 PM	7/19/2024	\B_LauraL	41.282157	-88.257000		
1941	Diamond	07-19_CM	224	0.586	NB	AC	1	6,042	15.00	10.68	8.11	5.44	3.83	2.43	1.84	1.52	8.73	100	93	1:02 PM	7/19/2024	\B_LauraLn	41.282299	-88.257173		
1941	Diamond	07-19_CM	224	0.586	NB	AC	2	8,783	22.22	16.02	12.24	8.22	5.70	3.46	2.60	2.14	13.06	100	93	1:02 PM	7/19/2024	\B_LauraLn	41.282299	-88.257173		
1941	Diamond	07-19_CM	224	0.586	NB	AC	3	11,689	30.48	22.05	16.92	11.35	7.76	4.54	3.43	2.88	17.94	100	93	1:02 PM	7/19/2024	\B_LauraLn	41.282299	-88.257173		
1942	Diamond	07-19_CM	225	0.021	EB	AC	1	6,176	15.53	12.49	10.27	7.45	5.45	3.16	2.14	1.68	9.89	96	87	1:03 PM	7/19/2024	B_AmberLn	41.281394	-88.256638		
1942	Diamond	07-19_CM	225	0.021	EB	AC	2	8,811	22.45	18.07	14.83	10.74	7.85	4.52	3.07	2.45	14.30	96	87	1:03 PM	7/19/2024	B_AmberLn	41.281394	-88.256638		
1942	Diamond	07-19_CM	225	0.021	EB	AC	3	11,670	30.91	24.69	20.20	14.54	10.54	5.97	4.01	3.24	19.50	96	87	1:03 PM	7/19/2024	B_AmberLn	41.281394	-88.256638		
1943	Diamond	07-19_CM	226	0.081	EB	AC	1	6,195	18.91	14.22	11.16	7.61	5.34	3.07	2.16	1.74	10.86	101	91	1:04 PM	7/19/2024	B_AmberLn	41.281297	-88.255515		
1943	Diamond	07-19_CM	226	0.081	EB	AC	2	9,003	27.35	20.80	16.29	11.07	7.71	4.35	3.03	2.45	15.79	101	91	1:04 PM	7/19/2024	B_AmberLn	41.281297	-88.255515		
1943	Diamond	07-19_CM	226	0.081	EB	AC	3	11,765	37.52	28.45	22.19	15.00	10.37	5.72	3.96	3.23	21.56	101	91	1:04 PM	7/19/2024	B_AmberLn	41.281297	-88.255515		
1944	Diamond	07-19_CM	227	0.128	EB	AC	1	6,281	13.92	10.96	8.91	6.47	4.76	2.84	1.95	1.52	8.43	107	100	1:05 PM	7/19/2024	B_AmberLn	41.280859	-88.254831		
1944	Diamond	07-19_CM	227	0.128	EB	AC	2	9,009	20.17	15.88	12.92	9.35	6.85	4.02	2.74	2.13	12.26	107	100	1:05 PM	7/19/2024	B_AmberLn	41.280859	-88.254831		
1944	Diamond	07-19_CM	227	0.128	EB	AC	3	11,922	26.86	21.18	17.26	12.48	9.12	5.31	3.60	2.83	16.44	107	100	1:05 PM	7/19/2024	B_AmberLn	41.280859	-88.254831		
1945	Diamond	07-19_CM	228	0.166	EB	AC	1	5,966	16.08	11.55	9.37	6.37	4.27	2.08	1.38	1.20	10.10	98	88	1:05 PM	7/19/2024	B_AmberLn	41.280493	-88.254276		
1945	Diamond	07-19_CM	228	0.166	EB	AC	2	8,792	25.39	18.42	14.95	10.16	6.75	3.16	2.05	1.84	15.70	108	98	1:05 PM	7/19/2024	B_AmberLn	41.280493	-88.254276		
1945	Diamond	07-19_CM	228	0.166	EB	AC	3	11,734	35.02	25.89	21.08	14.40	9.56	4.32	2.70	2.44	21.63	108	98	1:05 PM	7/19/2024	B_AmberLn	41.280493	-88.254276		
1946	Diamond	07-19_CM	229	0.224	EB	AC	1	6,537	15.70	11.47	8.94	5.95	4.01	2.16	1.50	1.24	9.12	105	100	1:06 PM	7/19/2024	B_AmberLn	41.279944	-88.253460		
1946	Diamond	07-19_CM	229	0.224	EB	AC	2	9,185	22.85	16.83	13.12	8.71	5.84	3.04	2.05	1.69	13.36	105	100	1:06 PM	7/19/2024	B_AmberLn	41.279944	-88.253460		
1946	Diamond	07-19_CM	229	0.224	EB	AC	3	11,737	30.77	22.86	17.86	11.84	7.91	4.01	2.64	2.19	18.23	105	100	1:06 PM	7/19/2024	B_AmberLn	41.279944	-88.253460		
1947	Diamond	07-19_CM	230	0.301	EB	AC	1	6,266	14.75	10.33	7.66	4.79	3.12	1.82	1.37	1.12	7.26	104	93	1:06 PM	7/19/2024	B_AmberL	41.279205	-88.252345		
1947	Diamond	07-19_CM	230	0.301	EB	AC	2	8,897	21.27	14.88	11.04	6.92	4.46	2.49	1.86	1.55	10.48	104	93	1:06 PM	7/19/2024	B_AmberL	41.279205	-88.252345		
1947	Diamond	07-19_CM	230	0.301	EB	AC	3	11,682	29.07	20.34	15.08	9.44	6.02	3.19	2.36	2.01	14.36	104	93	1:06 PM	7/19/2024	B_AmberL	41.279205	-88.252345		
1948	Diamond	07-19_CM	231	0.357	EB	AC	1	6,275	17.32	12.63	9.78	6.67	4.68	2.65	1.81	1.43	10.67	102	93	1:07 PM	7/19/2024	B_AmberL	41.278668	-88.251538		
1948	Diamond	07-19_CM	231	0.357	EB	AC	2	8,990	25.41	18.76	14.60	10.01	7.01	3.88	2.64	2.13	15.74	102	93	1:07 PM	7/19/2024	B_AmberL	41.278668	-88.251538		
1948	Diamond	07-19_CM	231	0.357	EB	AC	3	11,580	34.33	25.56	19.87	13.58	9.46	5.06	3.36	2.75	21.29	102	93	1:07 PM	7/19/2024	B_AmberL	41.278668	-88.251538		
1949	Diamond	07-19_CM	232	0.414	EB	AC	1	6,256	19.30	13.36	9.60	5.59	3.31	1.48	1.18	1.11	10.73	86	93	1:08 PM	7/19/2024	B_AmberL	41.278128	-88.250727		
1949	Diamond	07-19_CM	232	0.414	EB	AC	2	8,897	28.09	20.04	14.47	8.45	4.91	2.01	1.65	1.63	15.74	86	93	1:08 PM	7/19/2024	B_AmberL	41.278128	-88.250727		
1949	Diamond	07-19_CM	232	0.414	EB	AC	3	11,641	37.77	27.52	20.06	11.72	6.69	2.45	2.07	2.17	21.36	86	93	1:08 PM	7/19/2024	B_AmberL ND 7-8,	41.278128	-88.250727		
1950	Diamond	07-19_CM	233	0.45	EB	AC	1	6,173	16.38	12.80	10.59	7.68	5.46	2.80	1.66	1.37										

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1955	Diamond 07-19_CM	238	0.229	SB	AC	3	11,676	52.26	40.25	31.23	20.49	12.90	4.41	2.43	2.51	31.74	100	91	1:12 PM	7/19/2024_3_Heritage	ND 7-8,	41.277249	-88.254534			
1956	Diamond 07-19_CM	239	0.295	SB	AC	1	6,199	14.65	10.81	8.71	6.10	4.33	2.41	1.61	1.32	9.40	92	96	1:13 PM	7/19/2024_3_Heritage	41.276305	-88.254506				
1956	Diamond 07-19_CM	239	0.295	SB	AC	2	8,961	22.12	16.39	13.22	9.25	6.50	3.47	2.27	1.85	13.96	92	96	1:13 PM	7/19/2024_3_Heritage	41.276305	-88.254506				
1956	Diamond 07-19_CM	239	0.295	SB	AC	3	11,785	30.17	22.49	18.15	12.70	8.90	4.66	3.00	2.49	18.91	92	96	1:13 PM	7/19/2024_3_Heritage	41.276305	-88.254506				
1957	Diamond 07-19_CM	240	0.372	SB	AC	1	6,269	13.09	10.51	8.43	5.84	4.04	2.18	1.46	1.21	7.07	103	95	1:13 PM	7/19/2024_3_Heritage	41.275185	-88.254477				
1957	Diamond 07-19_CM	240	0.372	SB	AC	2	9,057	18.82	15.05	12.09	8.38	5.79	3.03	2.00	1.64	10.32	103	95	1:13 PM	7/19/2024_3_Heritage	41.275185	-88.254477				
1957	Diamond 07-19_CM	240	0.372	SB	AC	3	11,874	24.84	19.81	15.90	11.07	7.65	3.95	2.58	2.17	13.71	103	95	1:13 PM	7/19/2024_3_Heritage	41.275185	-88.254477				
1958	Diamond 07-19_CM	241	0.43	SB	AC	1	6,326	22.34	17.61	14.22	9.63	6.21	2.47	1.36	1.26	13.69	101	92	1:14 PM	7/19/2024_3_Heritage	41.274371	-88.254684				
1958	Diamond 07-19_CM	241	0.43	SB	AC	2	8,996	32.83	26.19	21.35	14.62	9.47	3.61	1.81	1.68	20.46	101	92	1:14 PM	7/19/2024_3_Heritage	41.274371	-88.254684				
1958	Diamond 07-19_CM	241	0.43	SB	AC	3	11,682	44.32	35.70	29.33	20.31	13.22	4.96	2.36	2.28	28.05	101	92	1:14 PM	7/19/2024_3_Heritage	41.274371	-88.254684				
1959	Diamond 07-19_CM	242	0.032	NB	AC	1	6,361	13.55	9.87	7.73	5.21	3.56	1.90	1.24	0.99	7.85	101	87	1:15 PM	7/19/2024_FarmstoneDr	41.274641	-88.252210				
1959	Diamond 07-19_CM	242	0.032	NB	AC	2	8,792	19.27	14.22	11.18	7.56	5.14	2.68	1.73	1.41	11.21	101	87	1:15 PM	7/19/2024_FarmstoneDr	41.274641	-88.252210				
1959	Diamond 07-19_CM	242	0.032	NB	AC	3	11,657	26.23	19.51	15.36	10.41	7.06	3.54	2.20	1.83	15.36	101	87	1:15 PM	7/19/2024_FarmstoneDr	41.275572	-88.252235				
1960	Diamond 07-19_CM	243	0.097	NB	AC	1	6,409	10.05	7.40	5.96	4.19	3.03	1.80	1.24	0.96	6.09	104	92	1:16 PM	7/19/2024_FarmstoneDr	41.275572	-88.252235				
1960	Diamond 07-19_CM	243	0.097	NB	AC	2	9,082	14.24	10.66	8.61	6.07	4.39	2.55	1.73	1.35	8.65	104	92	1:16 PM	7/19/2024_FarmstoneDr	41.275572	-88.252235				
1960	Diamond 07-19_CM	243	0.097	NB	AC	3	11,845	19.26	14.49	11.71	8.27	5.96	3.40	2.24	1.73	11.66	104	92	1:16 PM	7/19/2024_FarmstoneDr	41.275572	-88.252235				
1961	Diamond 07-19_CM	244	0.168	NB	AC	1	6,272	16.08	11.74	9.29	6.12	3.95	1.93	1.35	1.16	9.85	104	90	1:16 PM	7/19/2024_FarmstoneDr	41.276598	-88.252264				
1961	Diamond 07-19_CM	244	0.168	NB	AC	2	8,875	23.64	17.61	13.97	9.25	5.96	2.79	1.90	1.63	14.61	104	90	1:16 PM	7/19/2024_FarmstoneDr	41.276598	-88.252264				
1961	Diamond 07-19_CM	244	0.168	NB	AC	3	11,587	31.94	24.07	19.19	12.77	8.22	3.72	2.48	2.15	19.90	104	90	1:16 PM	7/19/2024_FarmstoneDr	41.276598	-88.252264				
1962	Diamond 07-19_CM	245	0.241	NB	AC	1	6,173	12.84	9.42	7.46	5.00	3.38	1.72	1.12	0.95	7.63	106	90	1:17 PM	7/19/2024_Farmston	41.277401	-88.253003				
1962	Diamond 07-19_CM	245	0.241	NB	AC	2	8,964	19.07	14.13	11.21	7.52	5.08	2.52	1.60	1.37	11.34	106	90	1:17 PM	7/19/2024_Farmston	41.277401	-88.253003				
1962	Diamond 07-19_CM	245	0.241	NB	AC	3	11,797	25.55	19.01	15.11	10.19	6.86	3.31	2.04	1.78	15.29	106	90	1:17 PM	7/19/2024_Farmston	41.277401	-88.253003				
1963	Diamond 07-19_CM	246	0.023	SB	AC	1	6,275	11.47	8.54	6.63	4.46	3.12	1.91	1.42	1.16	6.24	103	86	1:19 PM	7/19/2024_B_Crystall	41.280726	-88.255199				
1963	Diamond 07-19_CM	246	0.023	SB	AC	2	8,942	16.45	12.17	9.41	6.33	4.42	2.70	2.02	1.67	8.90	103	86	1:19 PM	7/19/2024_B_Crystall	41.280726	-88.255199				
1963	Diamond 07-19_CM	246	0.023	SB	AC	3	11,628	21.63	15.96	12.29	8.25	5.77	3.53	2.64	2.20	11.64	103	86	1:19 PM	7/19/2024_B_Crystall	41.280726	-88.255199				
1964	Diamond 07-19_CM	247	0.076	SB	AC	1	6,179	12.29	9.37	7.37	5.06	3.56	2.09	1.44	1.14	7.29	107	96	1:20 PM	7/19/2024_B_Crystall	41.280099	-88.255760				
1964	Diamond 07-19_CM	247	0.076	SB	AC	2	8,888	17.54	13.43	10.58	7.23	5.06	2.90	2.00	1.61	10.33	107	96	1:20 PM	7/19/2024_B_Crystall	41.280099	-88.255760				
1964	Diamond 07-19_CM	247	0.076	SB	AC	3	11,670	23.25	17.79	14.08	9.50	6.62	3.75	2.61	2.14	13.54	107	96	1:20 PM	7/19/2024_B_Crystall	41.280099	-88.255760				
1965	Diamond 07-19_CM	248	0.154	SB	AC	1	6,195	12.80	8.88	6.91	4.72	3.39	2.17	1.56	1.21	7.24	105	87	1:20 PM	7/19/2024_B_Crystall	41.278961	-88.255750				
1965	Diamond 07-19_CM	248	0.154	SB	AC	2	8,872	18.06	12.59	9.79	6.66	4.75	2.98	2.14	1.67	10.10	105	87	1:20 PM	7/19/2024_B_Crystall	41.278961	-88.255750				
1965	Diamond 07-19_CM	248	0.154	SB	AC	3	11,494	23.91	16.62	12.92	8.76	6.24	3.89	2.79	2.24	13.19	105	87	1:20 PM	7/19/2024_B_Crystall	41.278961	-88.255750				
1966	Diamond 07-19_CM	249	0.204	SB	AC	1	6,173	9.76	7.01	5.65	4.09	3.07	2.02	1.46	1.14	6.36	108	87	1:21 PM	7/19/2024_B_Crystall	41.278250	-88.255730				
1966	Diamond 07-19_CM	249	0.204	SB	AC	2	8,901	14.03	10.18	8.20	5.93	4.45	2.88	2.08	1.65	9.01	108	87	1:21 PM	7/19/2024_B_Crystall	41.278250	-88.255730				
1966	Diamond 07-19_CM	249	0.204	SB	AC	3	11,919	18.81	13.67	10.96	7.93	5.91	3.79	2.74	2.19	11.86	108	87	1:21 PM	7/19/2024_B_Crystall	41.278250	-88.255730				
1967	Diamond 07-19_CM	250	0.253	SB	AC	1	6,189	13.15	10.22	8.27	5.84	4.19	2.43	1.65	1.27	7.65	106	95	1:22 PM	7/19/2024_B_Crystall	41.277542	-88.255702				
1967	Diamond 07-19_CM	250	0.253	SB	AC	2	8,837	19.02	14.74	11.92	8.38	5.98	3.41	2.28	1.76	11.04	106	95	1:22 PM	7/19/2024_B_Crystall	41.277542	-88.255702				
1967	Diamond 07-19_CM	250	0.253	SB	AC	3	11,749	25.73	19.94	16.06	11.26	8.00	4.50	2.99	2.36	14.95	106	95	1:22 PM	7/19/2024_B_Crystall	41.277542	-88.255702				
1968	Diamond 07-19_CM	251	0.304	SB	AC	1	6,288	14.02	10.87	8.80	6.26	4.52	2.56	1.69	1.31	8.74	110	100	1:22 PM	7/19/2024_B_CrystalLn	41.276817	-88.255681				
1968	Diamond 07-19_CM	251	0.304	SB	AC	2	8,897	20.25	15.76	12.75	9.08	6.53	3.67	2.39	1.85	12.60	110	100	1:22 PM	7/19/2024_B_CrystalLn	41.276817	-88.255681				
1968	Diamond 07-19_CM	251	0.304	SB	AC	3	11,580	27.15	21.11	17.02	12.11	8.69	4.81	3.12	2.45	16.77	110	100	1:22 PM	7/19/2024_B_CrystalLn	41.276817	-88.255681				
1969	Diamond 07-19_CM	252	0.361	SB	AC	1	6,202	13.35	10.08	7.97	5.42	3.76	2.11	1.55	1.28	7.82	107	98	1:23 PM	7/19/2024_B_Crystall	41.275993	-88.255656				
1969	Diamond 07-19_CM	252	0.361	SB	AC	2	9,079	19.85	14.98	11.82	8.04	5.57	3.09	2.24	1.87	11.56	107	98	1:23 PM	7/19/2024_B_Crystall	41.275993	-88.255656				
1969	Diamond 07-19_CM	252	0.361	SB	AC	3	11,797	26.81	20.17	15.87	10.77	7.42	4.04	2.88	2.42	15.50	107	98	1:23 PM	7/19/2024_B_Crystall	41.275993	-88.255656				
1970	Diamond 07-19_CM	253	0.388	SB	AC	1	5,959	13.79	9.48	7.47	4.98	3.38	1.85	1.32	1.14	9.02	110	90	1:23 PM	7/19/2024_B_Crystall	41.275626	-88.255638				
1970	Diamond 07-19_CM	253	0.388	SB	AC	2	8,789	20.49	14.33	11.33	7.58	5.13	2.75	1.99	1.78	13.12	110	90	1:23 PM	7/19/2024_B_Crystall	41.275626	-88.255638				
1970	Diamond 07-19_CM	253	0.388	SB	AC	3	11,584	27.76	19.76	15.61	10.42	6.99	3.64	2.54	2.28	17.36	110	90	1:23 PM	7/19/2024_B_Crystall	41.275626	-88.255638				
1971	Diamond 07-19_CM	254	0.019	SB	AC	1	6,195	16.90	12.10	8.97	5.28	3.17	1.53	1.19	1.06	8.76	110	89	1:25 PM	7/19/2024_SandstoneDr	41.279319	-88.254563				
1971	Diamond 07-19_CM	254	0.019	SB	AC	2	8,891	25.35																		

Ref. No.	Township	DAT File	DAT No.	Station	Direction	ivement	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1976	Diamond 07-19_CM	260	0.34	SB	AC	2	8,897	16.64	12.75	10.36	7.51	5.58	3.44	2.32	1.79	10.40	112	82	1:29 PM	7/19/2024	_Sandstone		41.274923	-88.253566		
1976	Diamond 07-19_CM	260	0.34	SB	AC	3	11,759	22.64	17.32	14.11	10.22	7.56	4.57	3.03	2.31	14.15	112	82	1:29 PM	7/19/2024	_Sandstone		41.274923	-88.253566		
1977	Diamond 07-19_CM	261	0.026	WB	AC	1	6,473	11.73	8.78	6.95	4.80	3.40	1.88	1.19	0.91	6.82	108	98	1:31 PM	7/19/2024	_RockRidg		41.274754	-88.252842		
1977	Diamond 07-19_CM	261	0.026	WB	AC	2	9,012	16.79	12.71	10.10	7.00	4.95	2.70	1.69	1.30	9.82	108	98	1:31 PM	7/19/2024	_RockRidg		41.274754	-88.252842		
1977	Diamond 07-19_CM	261	0.026	WB	AC	3	11,615	22.47	17.09	13.57	9.41	6.63	3.55	2.16	1.69	13.17	108	98	1:31 PM	7/19/2024	_RockRidg		41.274754	-88.252842		
1978	Diamond 07-19_CM	262	0.051	WB	AC	1	6,208	11.16	8.11	6.40	4.37	3.07	1.75	1.20	0.97	6.52	110	100	1:32 PM	7/19/2024	_RockRidgeDr		41.274737	-88.253310		
1978	Diamond 07-19_CM	262	0.051	WB	AC	2	8,815	15.68	11.61	9.21	6.34	4.46	2.54	1.77	1.44	9.15	110	100	1:32 PM	7/19/2024	_RockRidgeDr		41.274737	-88.253310		
1978	Diamond 07-19_CM	262	0.051	WB	AC	3	11,660	20.79	15.44	12.25	8.44	5.92	3.32	2.27	1.85	12.07	110	100	1:32 PM	7/19/2024	_RockRidgeDr		41.274737	-88.253310		
1979	Diamond 07-19_CM	263	0.097	WB	AC	1	6,173	14.18	11.33	9.42	6.76	4.79	2.45	1.48	1.15	9.00	109	95	1:32 PM	7/19/2024	_RockRidgeDr		41.274725	-88.254179		
1979	Diamond 07-19_CM	263	0.097	WB	AC	2	8,712	20.85	16.78	13.99	10.04	7.10	3.53	2.04	1.56	13.32	109	95	1:32 PM	7/19/2024	_RockRidgeDr		41.274725	-88.254179		
1979	Diamond 07-19_CM	263	0.097	WB	AC	3	11,612	29.02	23.51	19.64	14.12	9.98	4.85	2.68	2.06	18.71	109	95	1:32 PM	7/19/2024	_RockRidgeDr		41.274725	-88.254179		
1980	Diamond 07-19_CM	264	0.016	WB	AC	1	6,250	9.39	6.67	5.26	3.61	2.59	1.60	1.17	0.95	5.65	107	93	1:34 PM	7/19/2024	_B_BertinoDr		41.277853	-88.254885		
1980	Diamond 07-19_CM	264	0.016	WB	AC	2	8,958	13.61	9.85	7.80	5.37	3.82	2.29	1.64	1.30	8.07	107	93	1:34 PM	7/19/2024	_B_BertinoDr		41.277853	-88.254885		
1980	Diamond 07-19_CM	264	0.016	WB	AC	3	11,785	18.04	13.29	10.56	7.30	5.20	3.06	2.14	1.72	10.73	107	93	1:34 PM	7/19/2024	_B_BertinoDr		41.277853	-88.254885		
1981	Diamond 07-19_CM	265	0.041	WB	AC	1	6,045	17.46	12.52	9.74	6.50	4.58	2.65	1.76	1.36	10.20	108	90	1:34 PM	7/19/2024	_B_Bertinol		41.277847	-88.255349		
1981	Diamond 07-19_CM	265	0.041	WB	AC	2	8,783	24.59	17.93	13.95	9.30	6.52	3.71	2.49	1.95	14.36	108	90	1:34 PM	7/19/2024	_B_Bertinol		41.277847	-88.255349		
1981	Diamond 07-19_CM	265	0.041	WB	AC	3	11,437	32.35	23.69	18.46	12.23	8.51	4.75	3.15	2.52	18.81	108	90	1:34 PM	7/19/2024	_B_Bertinol		41.277847	-88.255349		
1982	Diamond 07-19_CM	266	0.07	WB	AC	1	6,259	12.60	9.21	7.55	5.58	4.20	2.60	1.78	1.36	7.70	112	97	1:35 PM	7/19/2024	_B_BertinoDr		41.277837	-88.255899		
1982	Diamond 07-19_CM	266	0.07	WB	AC	2	8,904	18.06	13.36	10.93	8.09	6.08	3.73	2.54	1.91	10.90	112	97	1:35 PM	7/19/2024	_B_BertinoDr		41.277837	-88.255899		
1982	Diamond 07-19_CM	266	0.07	WB	AC	3	11,727	24.01	17.96	14.69	10.85	8.14	4.96	3.35	2.53	14.50	112	97	1:35 PM	7/19/2024	_B_BertinoDr		41.277837	-88.255899		
1983	Diamond 07-19_CM	267	0.092	WB	AC	1	6,250	10.31	7.09	5.44	3.79	2.84	1.91	1.44	1.15	5.77	110	98	1:35 PM	7/19/2024	_B_Bertinol		41.277831	-88.256308		
1983	Diamond 07-19_CM	267	0.092	WB	AC	2	9,060	14.80	10.31	7.93	5.54	4.14	2.75	2.06	1.65	8.23	110	98	1:35 PM	7/19/2024	_B_Bertinol		41.277831	-88.256308		
1983	Diamond 07-19_CM	267	0.092	WB	AC	3	11,903	19.47	13.65	10.48	7.32	5.48	3.62	2.70	2.16	10.79	110	98	1:35 PM	7/19/2024	_B_Bertinol		41.277831	-88.256308		
1984	Diamond 07-19_CM	268	0.119	WB	AC	1	6,135	13.13	9.55	7.76	5.60	4.16	2.59	1.79	1.39	7.93	110	97	1:36 PM	7/19/2024	_B_BertinoDr		41.277818	-88.256759		
1984	Diamond 07-19_CM	268	0.119	WB	AC	2	8,869	19.26	14.23	11.55	8.31	6.15	3.79	2.68	2.11	11.59	110	97	1:36 PM	7/19/2024	_B_BertinoDr		41.277818	-88.256759		
1984	Diamond 07-19_CM	268	0.119	WB	AC	3	11,603	25.70	19.18	15.52	11.13	8.18	4.91	3.36	2.66	15.43	110	97	1:36 PM	7/19/2024	_B_BertinoDr		41.277818	-88.256759		
1985	Diamond 07-19_CM	269	0.006	NB	AC	1	6,345	16.67	11.92	9.22	6.61	4.99	3.20	2.16	1.57	8.62	110	83	1:42 PM	7/19/2024	_B_BertaR		41.280543	-88.266017		
1985	Diamond 07-19_CM	269	0.006	NB	AC	2	8,920	23.95	17.35	13.54	9.75	7.36	4.72	3.25	2.46	12.72	110	83	1:42 PM	7/19/2024	_B_BertaR		41.280543	-88.266017		
1985	Diamond 07-19_CM	269	0.006	NB	AC	3	11,797	31.77	23.13	18.06	12.98	9.76	6.14	4.17	3.12	17.08	110	83	1:42 PM	7/19/2024	_B_BertaR		41.280543	-88.266017		
1986	Diamond 07-19_CM	270	0.114	NB	AC	1	6,368	12.47	9.30	7.79	5.81	4.36	2.60	1.75	1.40	8.04	104	82	1:43 PM	7/19/2024	_B_BertaR		41.282097	-88.266063		
1986	Diamond 07-19_CM	270	0.114	NB	AC	2	8,866	17.45	13.14	10.99	8.16	6.09	3.58	2.36	1.85	11.21	104	82	1:43 PM	7/19/2024	_B_BertaR		41.282097	-88.266063		
1986	Diamond 07-19_CM	270	0.114	NB	AC	3	11,619	22.97	17.40	14.54	10.80	8.07	4.73	3.11	2.45	14.75	104	82	1:43 PM	7/19/2024	_B_BertaR		41.282097	-88.266063		
1987	Diamond 07-19_CM	271	0.203	NB	AC	1	6,269	18.37	14.34	12.08	9.04	6.76	3.94	2.52	1.89	12.34	105	81	1:44 PM	7/19/2024	_B_BertaR		41.283391	-88.266092		
1987	Diamond 07-19_CM	271	0.203	NB	AC	2	8,703	26.21	20.59	17.37	13.03	9.77	5.63	3.53	2.63	17.45	105	81	1:44 PM	7/19/2024	_B_BertaR		41.283391	-88.266092		
1987	Diamond 07-19_CM	271	0.203	NB	AC	3	11,427	34.55	27.38	23.04	17.32	12.98	7.42	4.59	3.42	22.94	105	81	1:44 PM	7/19/2024	_B_BertaR		41.283391	-88.266092		
1988	Diamond 07-19_CM	272	0	WB	AC	1	6,068	23.61	18.03	14.31	9.71	6.62	3.57	2.46	1.95	13.40	104	88	1:45 PM	7/19/2024	_B_Regent		41.284165	-88.266615		
1988	Diamond 07-19_CM	272	0	WB	AC	2	8,728	33.67	25.83	20.65	14.11	9.65	5.19	3.61	2.94	19.29	104	88	1:45 PM	7/19/2024	_B_Regent		41.284165	-88.266615		
1988	Diamond 07-19_CM	272	0	WB	AC	3	11,574	44.55	34.19	27.43	18.83	12.85	6.76	4.69	3.85	25.69	104	88	1:45 PM	7/19/2024	_B_Regent		41.284165	-88.266615		
1989	Diamond 07-19_CM	274	0.062	WB	AC	1	6,077	21.12	16.58	13.30	9.07	6.21	3.36	2.23	1.74	11.44	107	98	1:46 PM	7/19/2024	_B_RegentCt		41.284137	-88.267794		
1989	Diamond 07-19_CM	274	0.062	WB	AC	2	8,645	30.69	24.13	19.47	13.38	9.12	4.76	3.15	2.50	16.93	107	98	1:46 PM	7/19/2024	_B_RegentCt		41.284137	-88.267794		
1989	Diamond 07-19_CM	274	0.062	WB	AC	3	11,877	42.35	33.54	27.22	18.87	12.83	6.41	4.33	3.48	23.94	107	98	1:46 PM	7/19/2024	_B_RegentCt		41.284137	-88.267794		
1990	Diamond 07-19_CM	275	0.099	WB	AC	1	6,036	29.13	21.23	16.60	11.05	7.32	3.65	2.42	2.01	15.49	106	96	1:47 PM	7/19/2024	_B_Regent		41.284125	-88.268491		
1990	Diamond 07-19_CM	275	0.099	WB	AC	2	8,869	44.32	32.27	25.31	16.88	11.12	5.33	3.47	2.90	23.81	106	96	1:47 PM	7/19/2024	_B_Regent		41.284125	-88.268491		
1990	Diamond 07-19_CM	275	0.099	WB	AC	3	11,695	61.16	44.67	35.07	23.42	15.33	7.04	4.54	3.89	33.24	106	96	1:47 PM	7/19/2024	_B_Regent		41.284125	-88.268491		
1991	Diamond 07-19_CM	276	0.134	SB	AC	1	6,262	35.93	28.19	21.99	13.62	7.98	3.45	2.58	2.25	19.96	111	97	1:48 PM	7/19/2024	_B_Emerald		41.283832	-88.268878		
1991	Diamond 07-19_CM	276	0.134	SB	AC	2	8,904	51.33	40.45	31.94	20.17	11.87	4.85	3.59	3.14	29.20</										

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
1997	Diamond	07-19_CM	282	0.296	NB	AC	1	6,157	31.91	25.02	19.15	11.80	7.08	3.25	2.22	1.94	17.38	106	82	1:53 PM	7/19/2024	Marquis		41.283954	-88.267378	
1997	Diamond	07-19_CM	282	0.296	NB	AC	2	8,815	46.02	36.12	28.00	17.49	10.46	4.50	3.08	2.80	25.82	106	82	1:53 PM	7/19/2024	Marquis		41.283954	-88.267378	
1997	Diamond	07-19_CM	282	0.296	NB	AC	3	11,714	62.18	48.91	38.23	24.16	14.33	5.77	3.97	3.83	35.83	106	82	1:53 PM	7/19/2024	Marquis		41.283954	-88.267378	
1998	Diamond	07-19_CM	283	0.305	NB	AC	1	6,361	13.80	11.15	9.39	7.03	5.30	3.34	2.32	1.75	9.52	100	86	1:54 PM	7/19/2024	NB_BertaR		41.284880	-88.266119	
1998	Diamond	07-19_CM	283	0.305	NB	AC	2	9,098	19.99	16.20	13.67	10.30	7.81	4.94	3.45	2.70	13.79	100	86	1:54 PM	7/19/2024	NB_BertaR		41.284880	-88.266119	
1998	Diamond	07-19_CM	283	0.305	NB	AC	3	12,088	26.70	21.56	18.22	13.71	10.39	6.50	4.48	3.47	18.32	100	86	1:54 PM	7/19/2024	NB_BertaR		41.284880	-88.266119	
1999	Diamond	07-19_CM	284	0.416	NB	AC	1	6,492	6.61	4.47	3.86	2.78	2.24	1.80	1.47	3.97	108	82	1:55 PM	7/19/2024	NB_BertaR		41.286481	-88.266130		
1999	Diamond	07-19_CM	284	0.416	NB	AC	2	9,242	9.34	6.50	5.64	4.73	4.08	3.29	2.65	2.18	5.71	108	82	1:55 PM	7/19/2024	NB_BertaR		41.286481	-88.266130	
1999	Diamond	07-19_CM	284	0.416	NB	AC	3	12,171	12.20	8.60	7.42	6.22	5.35	4.26	3.39	2.76	7.46	108	82	1:55 PM	7/19/2024	NB_BertaR		41.286481	-88.266130	
2000	Diamond	07-19_CM	285	0.516	NB	AC	1	6,278	8.64	6.85	6.18	5.16	4.25	2.88	1.93	1.40	6.33	111	85	1:56 PM	7/19/2024	NB_BertaRd		41.287933	-88.266159	
2000	Diamond	07-19_CM	285	0.516	NB	AC	2	9,114	12.61	10.15	9.15	7.65	6.29	4.21	2.77	1.95	9.33	111	85	1:56 PM	7/19/2024	NB_BertaRd		41.287933	-88.266159	
2000	Diamond	07-19_CM	285	0.516	NB	AC	3	11,941	16.82	13.71	12.36	10.35	8.52	5.68	3.70	2.61	12.57	111	85	1:56 PM	7/19/2024	NB_BertaRd		41.287933	-88.266159	
2001	Diamond	07-19_CM	286	0.444	SB	AC	1	6,329	7.77	5.98	5.19	4.11	3.29	2.24	1.62	1.27	5.54	111	92	1:58 PM	7/19/2024	SB_BertaR		41.286969	-88.266244	
2001	Diamond	07-19_CM	286	0.444	SB	AC	2	9,121	11.09	8.63	7.50	5.97	4.81	3.28	2.36	1.84	7.89	111	92	1:58 PM	7/19/2024	SB_BertaR		41.286969	-88.266244	
2001	Diamond	07-19_CM	286	0.444	SB	AC	3	11,919	14.35	11.26	9.80	7.81	6.30	4.28	3.06	2.35	10.18	111	92	1:58 PM	7/19/2024	SB_BertaR		41.286969	-88.266244	
2002	Diamond	07-19_CM	287	0.341	SB	AC	1	6,313	7.99	6.10	5.44	4.49	3.77	2.78	2.08	1.62	5.38	110	99	1:59 PM	7/19/2024	SB_BertaR		41.285472	-88.266214	
2002	Diamond	07-19_CM	287	0.341	SB	AC	2	8,693	11.31	8.71	7.74	6.39	5.36	3.97	2.99	2.37	7.64	110	99	1:59 PM	7/19/2024	SB_BertaR		41.285472	-88.266214	
2002	Diamond	07-19_CM	287	0.341	SB	AC	3	11,549	14.89	11.52	10.25	8.45	7.05	5.16	3.84	2.98	10.07	110	99	1:59 PM	7/19/2024	SB_BertaR		41.285472	-88.266214	
2003	Diamond	07-19_CM	288	0.232	SB	AC	1	6,100	12.66	9.73	8.35	6.51	5.03	3.10	2.10	1.62	8.83	117	99	2:00 PM	7/19/2024	SB_BertaR		41.283904	-88.266165	
2003	Diamond	07-19_CM	288	0.232	SB	AC	2	8,952	18.87	14.78	12.71	9.93	7.69	4.71	3.19	2.50	13.19	117	99	2:00 PM	7/19/2024	SB_BertaR		41.283904	-88.266165	
2003	Diamond	07-19_CM	288	0.232	SB	AC	3	11,667	24.57	19.47	16.76	13.09	10.12	6.13	4.06	3.16	17.16	117	99	2:00 PM	7/19/2024	SB_BertaR		41.283904	-88.266165	
2004	Diamond	07-19_CM	289	0.125	SB	AC	1	6,323	10.48	7.50	6.53	5.27	4.35	3.14	2.32	1.84	7.09	116	98	2:01 PM	7/19/2024	SB_BertaR		41.282351	-88.266130	
2004	Diamond	07-19_CM	289	0.125	SB	AC	2	8,910	14.60	10.69	9.25	7.49	6.17	4.44	3.29	2.62	9.85	116	98	2:01 PM	7/19/2024	SB_BertaR		41.282351	-88.266130	
2004	Diamond	07-19_CM	289	0.125	SB	AC	3	11,807	19.00	14.15	12.20	9.86	8.09	5.73	4.19	3.32	12.90	116	98	2:01 PM	7/19/2024	SB_BertaR		41.282351	-88.266130	
2005	Diamond	07-19_CM	290	0.03	SB	AC	1	6,451	10.87	8.92	7.57	5.88	4.60	2.95	1.97	1.45	7.45	116	101	2:02 PM	7/19/2024	SB_BertaR		41.280991	-88.266094	
2005	Diamond	07-19_CM	290	0.03	SB	AC	2	8,974	15.30	12.60	10.73	8.35	6.53	4.17	2.78	2.04	10.50	116	101	2:02 PM	7/19/2024	SB_BertaR		41.280991	-88.266094	
2005	Diamond	07-19_CM	290	0.03	SB	AC	3	11,804	20.28	16.69	14.22	11.04	8.63	5.47	3.59	2.62	13.89	116	101	2:02 PM	7/19/2024	SB_BertaR		41.280991	-88.266094	
2006	Diamond	07-19_CM	291	0.012	EB	AC	1	6,304	18.14	14.02	11.35	8.34	6.32	4.08	2.83	2.13	11.34	112	83	2:05 PM	7/19/2024	B_SpringE		41.274052	-88.257150	
2006	Diamond	07-19_CM	291	0.012	EB	AC	2	8,843	25.28	19.64	15.91	11.66	8.80	5.62	3.89	2.94	15.82	112	83	2:05 PM	7/19/2024	B_SpringE		41.274052	-88.257150	
2006	Diamond	07-19_CM	291	0.012	EB	AC	3	11,373	32.82	25.59	20.71	15.13	11.37	7.19	4.95	3.74	20.54	112	83	2:05 PM	7/19/2024	B_SpringE		41.274052	-88.257150	
2007	Diamond	07-19_CM	292	0.109	EB	AC	1	6,090	14.38	10.79	8.68	6.23	4.68	3.02	2.14	1.67	8.72	108	88	2:05 PM	7/19/2024	B_SpringDr		41.274103	-88.255294	
2007	Diamond	07-19_CM	292	0.109	EB	AC	2	8,706	20.85	15.61	12.52	8.92	6.64	4.19	2.89	2.19	12.51	108	88	2:05 PM	7/19/2024	B_SpringDr		41.274103	-88.255294	
2007	Diamond	07-19_CM	292	0.109	EB	AC	3	11,609	28.01	21.07	16.88	12.03	8.94	5.64	3.94	3.06	16.74	108	88	2:05 PM	7/19/2024	B_SpringDr		41.274103	-88.255294	
2008	Diamond	07-19_CM	293	0.205	EB	AC	1	6,214	20.43	15.77	11.59	7.90	5.61	3.26	2.17	1.64	12.20	111	91	2:06 PM	7/19/2024	B_SpringDr		41.274138	-88.253462	
2008	Diamond	07-19_CM	293	0.205	EB	AC	2	8,805	28.94	22.77	16.57	11.30	8.01	4.66	3.16	2.48	17.33	111	91	2:06 PM	7/19/2024	B_SpringDr		41.274138	-88.253462	
2008	Diamond	07-19_CM	293	0.205	EB	AC	3	11,379	37.42	28.63	21.36	14.56	10.20	5.80	3.93	3.12	22.22	111	91	2:06 PM	7/19/2024	B_SpringDr		41.274138	-88.253462	
2009	Diamond	07-19_CM	294	0.322	EB	AC	1	6,103	17.34	12.79	9.55	6.55	4.81	3.19	2.16	1.57	7.94	113	89	2:07 PM	7/19/2024	B_SpringDr		41.274176	-88.251212	
2009	Diamond	07-19_CM	294	0.322	EB	AC	2	8,744	25.17	18.34	13.83	9.56	7.05	4.68	3.21	2.42	11.90	113	89	2:07 PM	7/19/2024	B_SpringDr		41.274176	-88.251212	
2009	Diamond	07-19_CM	294	0.322	EB	AC	3	11,564	32.91	23.89	18.15	12.54	9.25	6.10	4.14	3.11	15.99	113	89	2:07 PM	7/19/2024	B_SpringDr		41.274176	-88.251212	
2010	Diamond	07-19_CM	295	0.409	EB	AC	1	6,199	17.94	12.01	8.92	5.99	4.25	2.54	1.81	1.48	8.91	110	82	2:08 PM	7/19/2024	B_SpringE		41.274198	-88.249557	
2010	Diamond	07-19_CM	295	0.409	EB	AC	2	9,051	26.44	17.97	13.37	8.95	6.24	3.56	2.45	1.94	13.20	110	82	2:08 PM	7/19/2024	B_SpringE		41.274198	-88.249557	
2010	Diamond	07-19_CM	295	0.409	EB	AC	3	11,848	34.98	24.07	17.97	12.03	8.34	4.65	3.18	2.55	17.60	110	82	2:08 PM	7/19/2024	B_SpringE		41.274198	-88.249557	
2011	Diamond	07-19_CM	296	0.507	EB	AC	1	6,281	16.87	12.69	10.06	7.28	5.44	3.28	2.12	1.55	10.03	90	97	2:09 PM	7/19/2024	B_SpringE		41.274222	-88.247680	
2011	Diamond	07-19_CM	296	0.507	EB	AC	2	8,786	24.32	18.32	14.44	10.36	7.64	4.48	2.84	2.06	14.26	90	97	2:09 PM	7/19/2024	B_SpringE		41.274222	-88.247680	
2011	Diamond	07-19_CM	296	0.507	EB	AC	3	11,596	32.45	24.51	19.32	13.78	10.11	5.80	3.64	2.66	18.95	90	97	2:09 PM	7/19/2024	B_SpringE		41.274222	-88.247680	
2012	Diamond	0																								

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
2017	Diamond	07-19_CM	302	1.106	NB	AC	3	11,574	37.99	28.59	22.55	15.68	11.09	6.31	4.22	3.29	22.71	110	91	2:14 PM	7/19/2024	NB_WillRc		41.282075	-88.246777	
2018	Diamond	07-19_CM	303	1.205	NB	AC	1	6,195	15.75	12.24	10.48	8.14	6.30	3.87	2.43	1.68	9.69	109	89	2:15 PM	7/19/2024	NB_WillRc		41.283504	-88.246825	
2018	Diamond	07-19_CM	303	1.205	NB	AC	2	9,067	22.98	17.89	15.30	11.87	9.16	5.60	3.52	2.43	14.11	109	89	2:15 PM	7/19/2024	NB_WillRc		41.283504	-88.246825	
2018	Diamond	07-19_CM	303	1.205	NB	AC	3	11,880	30.20	23.43	20.04	15.50	11.96	7.27	4.54	3.15	18.46	109	89	2:15 PM	7/19/2024	NB_WillRc		41.283504	-88.246825	
2019	Diamond	07-19_CM	304	1.305	NB	AC	1	6,144	23.89	18.18	14.13	9.25	6.16	3.26	2.14	1.68	13.33	106	91	2:15 PM	7/19/2024	NB_WillRc		41.284950	-88.246874	
2019	Diamond	07-19_CM	304	1.305	NB	AC	2	8,770	34.92	26.86	21.10	13.98	9.32	4.80	3.12	2.48	20.06	106	91	2:15 PM	7/19/2024	NB_WillRc		41.284950	-88.246874	
2019	Diamond	07-19_CM	304	1.305	NB	AC	3	11,555	46.44	36.08	28.58	19.09	12.74	6.39	4.07	3.25	27.35	106	91	2:15 PM	7/19/2024	NB_WillRc		41.284950	-88.246874	
2020	Diamond	07-19_CM	305	1.41	NB	AC	1	6,160	16.84	13.47	11.25	8.22	6.03	3.55	2.33	1.70	11.03	112	84	2:16 PM	7/19/2024	NB_WillRc		41.286468	-88.246918	
2020	Diamond	07-19_CM	305	1.41	NB	AC	2	9,047	24.94	20.07	16.78	12.29	9.04	5.35	3.57	2.70	16.30	112	84	2:16 PM	7/19/2024	NB_WillRc		41.286468	-88.246918	
2020	Diamond	07-19_CM	305	1.41	NB	AC	3	11,903	32.97	26.57	22.17	16.22	11.89	6.95	4.62	3.52	21.51	112	84	2:16 PM	7/19/2024	NB_WillRc		41.286468	-88.246918	
2021	Diamond	07-19_CM	306	1.502	NB	AC	1	6,320	14.08	11.38	10.07	8.08	6.33	3.81	2.22	1.44	10.31	106	82	2:17 PM	7/19/2024	NB_WillRc		41.287805	-88.246944	
2021	Diamond	07-19_CM	306	1.502	NB	AC	2	8,875	20.20	16.51	14.64	11.79	9.27	5.54	3.21	2.04	14.88	106	82	2:17 PM	7/19/2024	NB_WillRc		41.287805	-88.246944	
2021	Diamond	07-19_CM	306	1.502	NB	AC	3	11,692	26.68	22.01	19.53	15.78	12.44	7.40	4.26	2.69	19.77	106	82	2:17 PM	7/19/2024	NB_WillRc		41.287805	-88.246944	
2022	Diamond	07-19_CM	307	1.602	NB	AC	1	6,090	25.51	20.08	16.23	11.20	7.43	3.59	2.37	1.84	15.88	106	81	2:18 PM	7/19/2024	NB_WillRc		41.289237	-88.246986	
2022	Diamond	07-19_CM	307	1.602	NB	AC	2	8,830	37.83	29.96	24.39	17.04	11.47	5.50	3.60	2.82	23.85	106	81	2:18 PM	7/19/2024	NB_WillRc		41.289237	-88.246986	
2022	Diamond	07-19_CM	307	1.602	NB	AC	3	11,558	50.85	40.43	33.08	23.30	15.79	7.46	4.82	3.81	32.52	106	81	2:18 PM	7/19/2024	NB_WillRc		41.289237	-88.246986	
2023	Diamond	07-19_CM	308	1.699	NB	AC	1	6,409	20.90	15.42	11.99	7.98	5.51	3.13	2.09	1.56	12.19	115	81	2:19 PM	7/19/2024	NB_WillRc		41.290628	-88.246823	
2023	Diamond	07-19_CM	308	1.699	NB	AC	2	9,019	30.44	22.77	17.88	11.93	8.19	4.53	2.98	2.21	18.01	115	81	2:19 PM	7/19/2024	NB_WillRc		41.290628	-88.246823	
2023	Diamond	07-19_CM	308	1.699	NB	AC	3	11,765	40.05	30.30	23.96	16.10	11.03	6.01	3.92	2.93	24.09	115	81	2:19 PM	7/19/2024	NB_WillRc		41.290628	-88.246823	
2024	Diamond	07-19_CM	310	1.766	NB	AC	1	6,199	21.25	15.08	11.22	7.36	5.22	3.14	2.13	1.58	12.05	108	82	2:21 PM	7/19/2024	NB_WillRc		41.291581	-88.246582	
2024	Diamond	07-19_CM	310	1.766	NB	AC	2	9,258	31.36	22.87	17.28	11.45	8.07	4.74	3.15	2.32	18.20	108	82	2:21 PM	7/19/2024	NB_WillRc		41.291581	-88.246582	
2024	Diamond	07-19_CM	310	1.766	NB	AC	3	12,024	41.21	30.54	23.33	15.61	11.00	6.34	4.15	3.03	24.29	108	82	2:21 PM	7/19/2024	NB_WillRc		41.291581	-88.246582	
2025	Diamond	07-19_CM	311	1.638	SB	AC	1	6,390	14.97	13.70	11.76	8.99	6.75	3.79	2.29	1.62	9.12	111	96	2:23 PM	7/19/2024	SB_WillRc		41.289788	-88.247079	
2025	Diamond	07-19_CM	311	1.638	SB	AC	2	9,213	21.99	19.67	16.81	12.77	9.56	5.35	3.22	2.30	13.67	111	96	2:23 PM	7/19/2024	SB_WillRc		41.289788	-88.247079	
2025	Diamond	07-19_CM	311	1.638	SB	AC	3	12,040	29.23	25.66	21.85	16.50	12.29	6.80	4.07	2.93	18.37	111	96	2:23 PM	7/19/2024	SB_WillRc		41.289788	-88.247079	
2026	Diamond	07-19_CM	312	1.511	SB	AC	1	5,969	26.28	19.13	15.15	10.13	6.55	3.26	2.02	1.54	16.27	102	95	2:24 PM	7/19/2024	SB_WillRc		41.287960	-88.247046	
2026	Diamond	07-19_CM	312	1.511	SB	AC	2	8,926	39.54	29.46	23.53	15.92	10.37	5.01	3.02	2.30	24.59	102	95	2:24 PM	7/19/2024	SB_WillRc		41.287960	-88.247046	
2026	Diamond	07-19_CM	312	1.511	SB	AC	3	11,670	52.06	39.32	31.68	21.70	14.24	6.76	4.00	3.12	32.87	102	95	2:24 PM	7/19/2024	SB_WillRc		41.287960	-88.247046	
2027	Diamond	07-19_CM	313	1.429	SB	AC	1	6,486	17.13	11.78	8.91	6.22	4.63	2.88	1.94	1.41	8.68	95	95	2:25 PM	7/19/2024	SB_WillRc		41.286779	-88.246978	
2027	Diamond	07-19_CM	313	1.429	SB	AC	2	9,082	24.32	17.00	12.91	9.01	6.69	4.12	2.76	2.01	12.48	95	95	2:25 PM	7/19/2024	SB_WillRc		41.286779	-88.246978	
2027	Diamond	07-19_CM	313	1.429	SB	AC	3	11,858	31.70	22.41	17.06	11.91	8.84	5.40	3.60	2.65	16.48	95	95	2:25 PM	7/19/2024	SB_WillRc		41.286779	-88.246978	
2028	Diamond	07-19_CM	314	1.357	SB	AC	1	6,112	22.10	16.39	13.13	8.92	6.01	3.01	2.02	1.68	13.95	109	96	2:25 PM	7/19/2024	SB_WillRc		41.285733	-88.246965	
2028	Diamond	07-19_CM	314	1.357	SB	AC	2	8,815	32.93	24.81	19.96	13.61	9.13	4.41	2.90	2.42	20.69	109	96	2:25 PM	7/19/2024	SB_WillRc		41.285733	-88.246965	
2028	Diamond	07-19_CM	314	1.357	SB	AC	3	11,676	44.82	34.16	27.62	18.94	12.70	5.97	3.89	3.32	28.22	109	96	2:25 PM	7/19/2024	SB_WillRc		41.285733	-88.246965	
2029	Diamond	07-19_CM	315	1.235	SB	AC	1	6,419	13.72	10.35	8.53	6.18	4.49	2.67	1.84	1.47	8.66	98	101	2:26 PM	7/19/2024	SB_WillRc		41.283975	-88.246902	
2029	Diamond	07-19_CM	315	1.235	SB	AC	2	9,137	19.48	14.92	12.33	8.96	6.52	3.85	2.65	2.12	12.37	98	101	2:26 PM	7/19/2024	SB_WillRc		41.283975	-88.246902	
2029	Diamond	07-19_CM	315	1.235	SB	AC	3	11,832	25.91	19.97	16.55	12.03	8.74	5.06	3.44	2.73	16.56	98	101	2:26 PM	7/19/2024	SB_WillRc		41.283975	-88.246902	
2030	Diamond	07-19_CM	316	1.147	SB	AC	1	6,141	16.60	12.69	10.68	7.89	5.75	3.22	2.04	1.56	10.83	110	96	2:27 PM	7/19/2024	SB_WillRc		41.282695	-88.246852	
2030	Diamond	07-19_CM	316	1.147	SB	AC	2	9,047	25.09	19.50	16.43	12.17	8.87	4.91	3.06	2.35	16.39	110	96	2:27 PM	7/19/2024	SB_WillRc		41.282695	-88.246852	
2030	Diamond	07-19_CM	316	1.147	SB	AC	3	11,702	33.54	26.23	22.14	16.41	11.94	6.48	3.93	2.97	21.94	110	96	2:27 PM	7/19/2024	SB_WillRc		41.282695	-88.246852	
2031	Diamond	07-19_CM	317	1.048	SB	AC	1	6,221	10.58	8.32	7.37	5.99	4.77	3.10	2.00	1.45	7.37	114	98	2:28 PM	7/19/2024	SB_WillRc		41.281271	-88.246798	
2031	Diamond	07-19_CM	317	1.048	SB	AC	2	8,968	15.06	11.97	10.60	8.59	6.82	4.34	2.72	1.88	10.50	114	98	2:28 PM	7/19/2024	SB_WillRc		41.281271	-88.246798	
2031	Diamond	07-19_CM	317	1.048	SB	AC	3	11,922	20.27	16.24	14.35	11.62	9.23	5.86	3.69	2.61	14.16	114	98	2:28 PM	7/19/2024	SB_WillRc		41.281271	-88.246798	
2032	Diamond	07-19_CM	318	0.956	SB	AC	1	6,230	13.55	10.19	8.24	5.97	4.45	2.83	1.98	1.53	8.32	118	99	2:29 PM	7/19/2024	SB_WillRc		41.279941	-88.246740	
2032	Diamond	07-19_CM	318	0.956	SB	AC	2	8,996	19.64	14.95	12.07	8.73	6.45	4.00												

Ref. No.	Township	DAT File	DAT No.	Station	Direction	event	Ty	Drop	Force	D1	D2	D3	D4	D5	D6	D7	D8	D9	T-Sur	T-Air	Time	Date	Notes	Error Msg	Latitude	Longitude
2038	Diamond	07-19_CM	324	0.342	WB	AC	2	9,073	15.34	12.17	10.43	8.16	6.41	4.18	2.78	1.98	10.44	112	97	2:34 PM	7/19/2024/B_Springf			41.274221	-88.250869	
2038	Diamond	07-19_CM	324	0.342	WB	AC	3	11,804	20.43	16.27	13.93	10.88	8.51	5.48	3.58	2.53	13.90	112	97	2:34 PM	7/19/2024/B_Springf			41.274221	-88.250869	
2039	Diamond	07-19_CM	325	0.263	WB	AC	1	6,310	10.55	8.19	6.93	5.43	4.26	2.78	1.87	1.34	7.00	112	97	2:34 PM	7/19/2024/B_Springf			41.274203	-88.252387	
2039	Diamond	07-19_CM	325	0.263	WB	AC	2	8,885	15.10	11.72	9.93	7.78	6.12	4.00	2.72	2.00	9.97	112	97	2:34 PM	7/19/2024/B_Springf			41.274203	-88.252387	
2039	Diamond	07-19_CM	325	0.263	WB	AC	3	11,686	20.34	15.74	13.31	10.36	8.10	5.22	3.50	2.56	13.33	112	97	2:34 PM	7/19/2024/B_Springf			41.274203	-88.252387	
2040	Diamond	07-19_CM	326	0.153	WB	AC	1	6,135	9.95	8.52	7.39	5.88	4.67	3.10	2.15	1.62	6.80	111	101	2:36 PM	7/19/2024/B_Springf			41.274168	-88.254498	
2040	Diamond	07-19_CM	326	0.153	WB	AC	2	9,057	14.62	12.48	10.78	8.55	6.75	4.39	2.99	2.20	9.95	111	101	2:36 PM	7/19/2024/B_Springf			41.274168	-88.254498	
2040	Diamond	07-19_CM	326	0.153	WB	AC	3	11,727	19.66	16.75	14.43	11.41	8.98	5.81	3.93	2.92	13.35	111	101	2:36 PM	7/19/2024/B_Springf			41.274168	-88.254498	
2041	Diamond	07-19_CM	327	0.039	WB	AC	1	6,116	12.09	9.70	8.28	6.35	4.89	3.12	2.13	1.61	8.16	115	98	2:37 PM	7/19/2024/B_Springf			41.274112	-88.256680	
2041	Diamond	07-19_CM	327	0.039	WB	AC	2	8,840	17.97	14.50	12.35	9.43	7.21	4.51	3.02	2.23	12.09	115	98	2:37 PM	7/19/2024/B_Springf			41.274112	-88.256680	
2041	Diamond	07-19_CM	327	0.039	WB	AC	3	11,657	23.91	19.34	16.48	12.57	9.60	5.97	3.99	2.98	16.06	115	98	2:37 PM	7/19/2024/B_Springf			41.274112	-88.256680	
2042	Diamond	07-19_CM	328	0.011	WB	AC	1	6,014	21.85	17.49	14.63	10.86	8.03	4.62	2.96	2.22	14.24	85	99	2:37 PM	7/19/2024/B_Springf			41.274103	-88.257212	
2042	Diamond	07-19_CM	328	0.011	WB	AC	2	8,802	32.49	26.16	21.91	16.25	11.97	6.78	4.29	3.22	21.22	85	99	2:37 PM	7/19/2024/B_Springf			41.274103	-88.257212	
2042	Diamond	07-19_CM	328	0.011	WB	AC	3	11,443	43.29	34.88	29.13	21.58	15.86	8.87	5.57	4.24	28.26	85	99	2:37 PM	7/19/2024/B_Springf			41.274103	-88.257212	