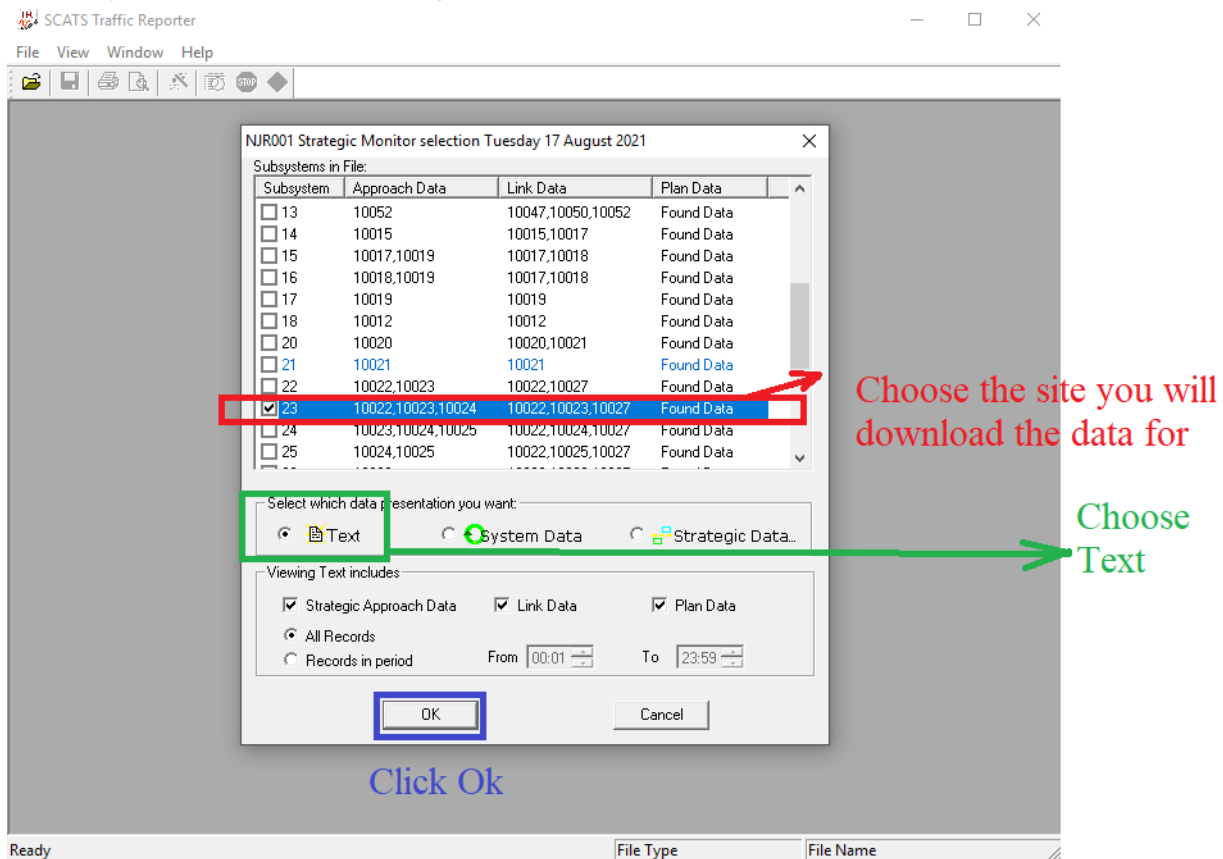


To use the Degree of Saturation over Phase Timing Analysis feature:

Step1: From Traffic Reporter Choose the following options for each site you want to analyze as shown in the figure below:



Step2: A window will show up as shown in the figure below. Choose the date you want to analyze. Click save and save the file on your device.

SCATS Traffic Reporter - [NJR001 Strategic Monitor data Tuesday 17 August 2021]

File View Window Help

Tuesday, 17 August 2021

Tuesday 17-August-2021 00:00 SS 15 PL 4.3 PV 0.4 CT 90 +0 RL 90 SA 62 DS 27

Int	SA/LK	PH	PT!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	ADS
10017	SA 60	2	97!	4	2	2!	16	5	6!	-	-!	-	-!	-	-!	14
10017	SA 61 ^	4	0!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	15
10017	SA 62	6	97!	9	5	5!	27	12	11!	8	3	3!	-	-!	-!	24
10017	SA 63 ^	8	0!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	13
10019	SA 73	6	67!	8	3	3!	10	5	4!	0	0	0!	-	-!	-!	11
10017	SA 75	2	97!	5	2	2!	2	1	1!	-	-!	-!	-	-!	-!	4
10017	SA 76	2	97!	13	6	6!	13	7	7!	6	3	3!	-	-!	-!	13
10018	LK 29	6	97!	4	2	2!	20	6	7!	0	0	0!	-	-!	-!	300
10017	LK 30	6	97!	9	5	5!	27	12	11!	8	3	3!	-	-!	-!	620

A=<78> B=22

Tuesday 17-August-2021 00:02 SS 15 PL 4.3 PV 0.3 CT 90 +0 RL 90 SA 60 DS 18

Int	SA/LK	PH	PT!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	ADS
10017	SA 60	2	89!	6	3	3!	18	7	7!	-	-!	-	-!	-	-!	15
10017	SA 61 ^	4	0!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	10
10017	SA 62	6	89!	13	7	6!	10	5	4!	0	0	0!	-	-!	-!	20
10017	SA 63 ^	8	0!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	0
10019	SA 73	6	114!	5	3	3!	8	6	6!	3	2	2!	-	-!	-!	10
10017	SA 75	2	89!	11	5	4!	0	0	0!	-	-!	-	-	-!	-!	7
10017	SA 76	2	89!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	7
10018	LK 29	6	89!	6	3	3!	20	7	7!	14	5	4!	-	-!	-!	420
10017	LK 30	6	89!	13	7	6!	10	5	4!	0	0	0!	-	-!	-!	520

A=<78> B=22

Tuesday 17-August-2021 00:03 SS 15 PL 4.3 PV 0.3 CT 90 +0 RL 90 SA 62 DS 10

Int	SA/LK	PH	PT!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	ADS
10017	SA 60	2	65!	0	0	0!	8	3	2!	-	-!	-	-!	-	-!	13
10017	SA 61 ^	4	13!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	0
10017	SA 62	6	65!	0	0	0!	10	3	3!	0	0	0!	-	-!	-!	15
10017	SA 63 ^	8	13!	49	3	2!	31	2	1!	0	0	0!	-	-!	-!	22
10019	SA 73	6	48!	0	0	0!	10	4	3!	0	0	0!	-	-!	-!	10
10017	SA 75	2	65!	0	0	0!	0	0	0!	-	-!	-	-	-!	-!	5
10017	SA 76	2	65!	0	0	0!	0	0	0!	0	0	0!	-	-!	-!	3
10018	LK 29	6	65!	0	0	0!	8	3	2!	0	0	0!	-	-!	-!	300
10017	LK 30	6	65!	0	0	0!	10	3	3!	0	0	0!	-	-!	-!	360

A=<78> B=22

Tuesday 17-August-2021 00:05 SS 15 PL 4.3 PV 0.3 CT 90 +0 RL 90 SA 60 DS 22

Int	SA/LK	PH	PT!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	DS	VO	VK!	ADS
10017	SA 60	2	72!	9	4	3!	22	7	6!	-	-!	-	-!	-	-!	17
10017	SA 61 ^	4	15!	47	3	3!	24	2	1!	0	0	0!	-	-!	-!	21
10017	SA 62	6	72!	11	5	4!	16	6	5!	10	3	3!	-	-!	-!	13
10017	SA 63 ^	8	15!	40	2	2!	68	3	3!	38	3	2!	-	-!	-!	47

Ready Strategic Monitor NJR001_20210817.sm

Step 3: Go to the following website [Link](#), and Go to the Tab called “Degree of Saturation over Phase Timing Analysis”, and choose the file you downloaded. Choose the Route you are analyzing from the dropdown menu. Click Previous to Click Preview to see the plot of (DS over Phase timing) Vs. (Time) for the all phases in the selected intersection. Click download to download the data by your device, as shown in the figure below:

SCATS Data Manager

Developed by Abdullah Shabarek

- [MX Value Analysis](#)
- [Detector Alarms](#)
- [Degree of Saturation Analysis](#)
- [Degree of Saturation over Phase Timing Analysis](#)
- [Resources and Instructions](#)

Degree of Saturation over Phase Timing Analysis

Choose a SCATS Strategic Monitor file from a directory

Browse... SM2.txt Upload complete

Preview Download

Click Preview to see the plot on the right hand side

Click Download to download the data as numerical values

Choose the file you downloaded before from SCATS Traffic Reporter

Site 7304 on Monday 06-September-2021

Avg DS to Phase Time

Time

Phase A
Phase B
Phase C

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