

2019 Qualifying Events Report

January 6, 2019 Event

Filed on April 5, 2019



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Event Description

Event Date and Time

Start: 01-06-2019, 01:00

End: 01-10-2019, 04:00

Event Type

Wind followed by snow in areas and cold temperatures

Service Areas Significantly Affected

All PSE electric service regions in Western WA were impacted by this event.

Number of Customers Affected

System wide, approximately 346,766 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for the Event	1,415
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Transmission Lines Affected	32
Impacted Substations	20

Mobilization Summary

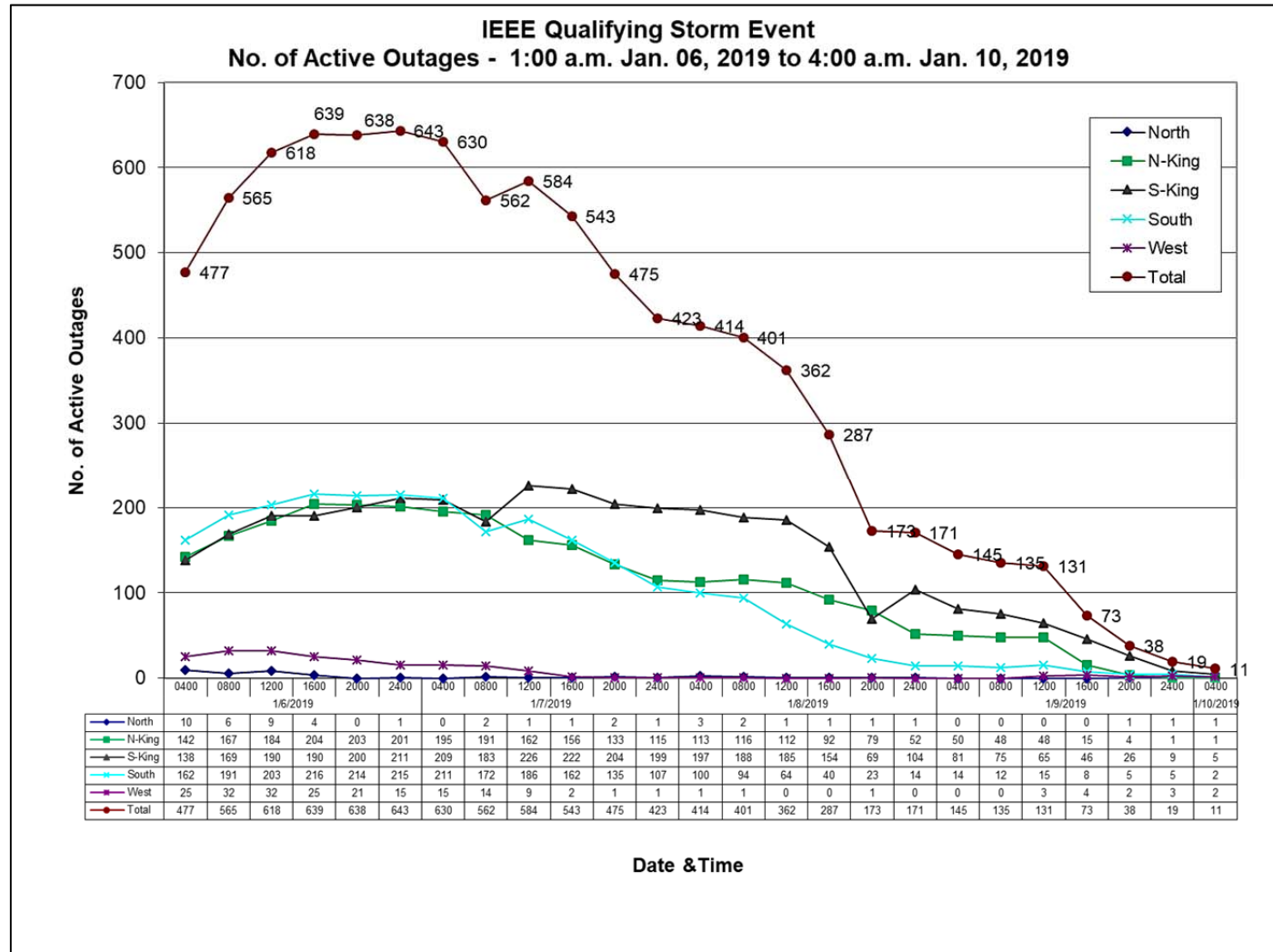
Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom/Skagit Island	N/A			
North King	1/6/2019	02:00	1/09/2019	18:00
South King	1/6/2019	02:00	1/10/2019	02:00
Pierce	1/6/2019	01:45	1/09/2019	07:00
Thurston	1/6/2019	01:45	1/08/2019	17:00
Kitsap	N/A			
Vashon Island	N/A			
Kittitas	N/A			

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	1/6/2019	03:30	1/09/2019	10:00

Active Outage Events



Major Event Day – Qualification

IEEE¹ Standard 1366

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of electric system service reliability indices, to identify factors which affect the indices, and to aid in consistent reporting practices among utilities. Also, it provides guidance for new personnel in the reliability area and tools for internal as well as external comparisons. The Major Event Day definition was created as part of IEEE Standard 1366 to allow for consistent calculation of reliability metrics between utilities and enable more valid comparisons with other utility reliability metrics.

IEEE Major Event Day Calculation (2.5 BETA METHOD)

1. A threshold on daily SAIDI² is computed once a year, following year end
2. Assemble the 5 most recent years of historical values of SAIDI/day
3. Discard any days in the data set that has a SAIDI/day of zero
4. Find the natural logarithm of each value in the data set
5. Compute the average (Alpha) and the standard deviation (Beta) of the natural logarithms computed in step 4
6. Compute the threshold T_{MED} where $T_{MED} = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI > T_{MED} is a major event day
- 8.

Puget Sound Energy's IEEE Major Event Threshold (T_{MED}) for 2019: 6.91 Minutes

Qualified Events - 2019 Current Event – Calculation Detail

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
1/6/2019, 01:00 – 1/10/2019, 04:00	279,298,409	1,155,936	241.62

Daily SAIDI Detail YTD

First Day that Daily SAIDI Exceeded PSE's TMED of 6.73 Minutes by Qualifying Event

Date	Daily SAIDI (from midnight to midnight)	Total O&M ³ Costs
1/6/2019	237.09	\$16,982,457

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

³ O&M: Operations and Maintenance

Event Restoration – YTD Cost Summary
2019 Restoration Costs Detail by Qualifying Event

Event Date	Qualified Events Deferred Account	Capital Costs	O&M Costs Not Deferrable	O&M Costs Deferrable Accumulation	Total O&M Costs	Total Costs
1/6/2019	\$6,982,457	\$605,467	\$0	\$10,000,000	\$16,982,457	\$17,587,923

2019 YTD Storm Restoration Costs Detail

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
\$6,982,457	\$605,467	\$0	\$10,000,000	\$16,982,457	\$17,587,923

Detail Documents

Restoration Costs Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Restoration Costs Detail – Current Event

January 6, 2019- Qualifying Storm Damage Repair Costs

	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	\$0	\$106	\$0	\$156,296	\$156,296	\$156,402
OT	\$0	\$2,343	\$0	\$1,827,600	\$1,827,600	\$1,829,943
Total Labor	\$0	\$2,449	\$0	\$1,983,896	\$1,983,896	\$1,986,345
Labor OH	\$0	\$77,296	\$0	\$0	\$0	\$77,296
Materials	\$0	\$293,703	\$0	\$324,279	\$324,279	\$617,982
Contractors	\$0	\$227,927	\$0	\$13,463,402	\$13,463,402	\$13,691,329
Other Direct Charges	\$0	\$1,320	\$0	\$126,492	\$126,492	\$127,812
Fleet	\$0	\$0	\$0	\$0	\$0	\$0
Other Assessments	\$0	\$2,773	\$0	\$1,084,388	\$1,084,388	\$1,087,161
Deferred Expenses	\$6,982,457	\$0	\$0	-\$6,982,457	\$0	\$0
	\$6,982,457	\$605,467	\$0	\$10,000,000	\$16,982,457	\$17,587,923

Detailed List of Outages – 12/14/2018, First TMED-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00496626-1	1/6/2019	12:11:11 AM	RAI-11	ECC	TV	OTF	1	1,966
P00496629-1	1/6/2019	12:20:55 AM	BLU-17	ECC	TV	OCO	186	45,493
P00496632-1	1/6/2019	12:27:17 AM	YEL-25	ECC	TV	OCO	142	174,591
P00497260-1	1/6/2019	12:31:01 AM	TLN-0041	ECC	TV	OCO	5,496	721,169
P00496638-1	1/6/2019	12:35:21 AM	BLU-16	ECC	TV	OCO	74	148,064
P00496641-1	1/6/2019	12:35:56 AM	YEL-27	ECC	TV	OCO	-	611,377
P00496648-1	1/6/2019	12:39:43 AM	KAP-16	ECA	TV	OPO	111	133,096
P00503405-1	1/6/2019	12:41:28 AM	MCA-15	ECC	TV	OCO	7	24,371
P00496656-1	1/6/2019	12:50:12 AM	HAW-11	ECC	TV	OCO	894	387,370
P00496776-1	1/6/2019	12:54:23 AM	SPA-16	ECA	TV	OFU	253	474,560
P00496667-1	1/6/2019	12:57:25 AM	BLU-16	ECC	TV	OCO	109	126,420
P00496669-1	1/6/2019	12:59:42 AM	LON-23	ECC	TV	OCO	41	91,990
P00502775-1	1/6/2019	1:01:36 AM	BLU-16	ECC	TV	OCO	106	132,482
P00496891-1	1/6/2019	1:02:08 AM	ROC-25	ECC	TV	OCO	782	248,807
P00501394-1	1/6/2019	1:03:00 AM	TLN-0232	EBF	TV	OCO	-	317,073
P00496680-1	1/6/2019	1:03:35 AM	HOL-12	ECA	TV	OTF	13	28,278
P00496683-1	1/6/2019	1:03:50 AM	BDI-13	EBI	TV	OCO	338	347,963
P00503029-1	1/6/2019	1:08:09 AM	ROC-26	ECC	TV	OPO	73	97,889
P00497185-1	1/6/2019	1:09:24 AM	TLN-0224	ECC	TV	OCO	6,152	627,504
P00496705-1	1/6/2019	1:09:34 AM	PIP-01	EBI	TV	OCO	6,300	6,737,851
P00505030-1	1/6/2019	1:10:58 AM	PIP-23	EBI	TV	OCO	128	345,361
P00503206-1	1/6/2019	1:12:00 AM	TLN-0041	ECC	TV	OCO	5,278	369,460
P00503708-1	1/6/2019	1:13:14 AM	LON-23	ECC	TV	OCO	53	88,445
P00496713-1	1/6/2019	1:13:37 AM	LON-23	ECC	TV	OIN	401	585,367
P00496717-1	1/6/2019	1:13:53 AM	PAT-15	ECC	TV	OSV	1	3,313
P00496936-1	1/6/2019	1:14:08 AM	ROC-17	ECC	TV	OCO	1,156	276,111
P00496721-1	1/6/2019	1:14:13 AM	LON-23	ECC	TV	OCO	213	109,344
P00496732-1	1/6/2019	1:14:46 AM	ROC-26	ECC	TV	OFU	28	16,939
P00497684-1	1/6/2019	1:15:36 AM	ROC-16	ECC	TV	OHR	844	337,825
P00496761-1	1/6/2019	1:16:00 AM	SOO-25	EBI	TV	OPO	1,732	1,819,978
P00496750-1	1/6/2019	1:16:29 AM	GRV-15	ECA	TV	OTF	3	10,147
P00499802-1	1/6/2019	1:18:00 AM	FWY-11	EBJ	TV	OCO	1,648	1,910,069
P00496772-1	1/6/2019	1:18:00 AM	EDG-16	ECA	TV	OCO	93	250,064
P00497306-1	1/6/2019	1:18:10 AM	BLU-16	ECC	TV	OCO	-	88,755
P00496781-1	1/6/2019	1:18:34 AM	LAT-14	EBJ	TV	OCO	431	219,659
P00496797-1	1/6/2019	1:19:28 AM	RHO-01	ECA	TV	OCO	-	498,130
P00496807-1	1/6/2019	1:19:45 AM	HOL-15	ECA	TV	OCO	800	539,280
P00496814-1	1/6/2019	1:19:57 AM	SPA-16	ECA	TV	OCO	191	170,449
P00497025-1	1/6/2019	1:20:06 AM	PEA-15	EBJ	OD		1,465	2,267,851

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00496833-1	1/6/2019	1:20:29 AM	EDG-16	ECA	TV	OCO	25	65,262
P00504787-1	1/6/2019	1:20:43 AM	SPG-13	ECC	TV	OCO	27	49,301
P00501467-1	1/6/2019	1:20:49 AM	CHA-13	ECC	TV	OCO	409	391,802
P00496899-1	1/6/2019	1:20:58 AM	MAP-16	EBE	TV	OCO	1,594	397,305
P00496879-1	1/6/2019	1:21:00 AM	VAS-23	EBL	TV	OPO	450	270,589
P00496872-1	1/6/2019	1:21:36 AM	SPG-13	ECC	TV	OCO	11	19,157
P00496921-1	1/6/2019	1:22:23 AM	KAP-01	ECA	TV	OCO	-	215,496
P00496922-1	1/6/2019	1:22:24 AM	KCR-17	EBJ	TV	OCO	68	157,942
P00496927-1	1/6/2019	1:22:30 AM	ROC-26	ECC	TV	OCO	122	144,594
P00497115-1	1/6/2019	1:22:46 AM	AIR-26	ECC	TV	OCO	26	47,680
P00501301-1	1/6/2019	1:23:00 AM	LYO-11	EBJ	TV	OPO	-	20,749
P00502209-1	1/6/2019	1:23:20 AM	AIR-23	ECC	TV	OCO	122	234,389
P00504243-1	1/6/2019	1:23:52 AM	BDI-13	EBI	TV	OCO	10	20,774
P00503236-1	1/6/2019	1:24:15 AM	BLU-16	ECC	TV	OCO	190	567,057
P00497010-1	1/6/2019	1:24:23 AM	AIR-22	ECC	TV	OCO	549	866,963
P00504535-1	1/6/2019	1:24:39 AM	LYO-12	EBJ	TV	OCO	2	10,011
P00501654-1	1/6/2019	1:24:39 AM	LYO-12	EBJ	TV	OPO	-	510,949
P00505067-1	1/6/2019	1:24:51 AM	LON-23	ECC	TV	OCO	9	21,320
P00505015-1	1/6/2019	1:26:08 AM	SPG-13	ECC	TV	OTF	3	6,903
P00497104-1	1/6/2019	1:28:00 AM	LMC-01	EBE	TV	OCO	-	462,871
P00497277-1	1/6/2019	1:28:00 AM	STA-16	EBJ	OD	OCO	2,206	903,026
P00501290-1	1/6/2019	1:29:00 AM	TLN-0045	EBE	TV	OCO	-	350,220
P00497123-1	1/6/2019	1:29:29 AM	SHA-15	ECA	TV	OCO	694	1,285,704
P00497128-1	1/6/2019	1:29:54 AM	RAI-13	ECC	TV	OCO	9	7,416
P00497132-1	1/6/2019	1:30:01 AM	AIR-23	ECC	TV	OCO	510	233,291
P00497143-1	1/6/2019	1:30:40 AM	GLC-12	EBJ	TV	OCO	1,148	1,078,076
P00497149-1	1/6/2019	1:30:54 AM	SPA-16	ECA	TV	OCO	46	159,344
P00497155-1	1/6/2019	1:31:03 AM	ELD-23	ECC	TV	OCO	323	226,698
P00497163-1	1/6/2019	1:31:25 AM	CED-17	ECA	TV	OCO	777	1,656,590
P00506803-1	1/6/2019	1:31:49 AM	HOB-16	EBI	TV	OCO	25	94,119
P00497223-1	1/6/2019	1:33:21 AM	LEA-16	EBJ	TV	OCO	2,853	1,615,326
P00497242-1	1/6/2019	1:34:18 AM	VAS-13	EBL	TV	OCO	185	88,950
P00497257-1	1/6/2019	1:34:56 AM	GRI-13	ECC	TV	OTF	2	6,487
P00497269-1	1/6/2019	1:35:19 AM	GRI-15	ECC	TV	OCO	50	102,957
P00497298-1	1/6/2019	1:36:25 AM	FCR-01	EBI	TV	OCO	8,837	6,662,398
P00497307-1	1/6/2019	1:36:47 AM	RAI-12	ECC	TV	OCO	109	230,591
P00506339-1	1/6/2019	1:36:58 AM	SHD-18	EBI	TV	OCO	380	969,770
P00497314-1	1/6/2019	1:36:59 AM	FRG-22	ECC	TV	OCO	87	88,689
P00497324-1	1/6/2019	1:37:19 AM	CAM-25	EBJ	TV	OCO	80	182,840
P00501492-1	1/6/2019	1:37:25 AM	LWS-13	EBJ	TV	OCR	60	224,848

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00501872-1	1/6/2019	1:37:48 AM	LYO-15	EBJ	TV		1,933	1,791,177
P00503736-1	1/6/2019	1:37:49 AM	LWS-15	EBJ	TV	OCO	84	321,252
P00497614-1	1/6/2019	1:38:00 AM	TLN-0127	ECA	TV	OCO	6,735	9,107,645
P00502600-1	1/6/2019	1:38:22 AM	LUH-17	ECC	TV	OCO	34	69,456
P00497355-1	1/6/2019	1:38:23 AM	CHR-22	ECE	TV	OCO	57	29,467
P00504827-1	1/6/2019	1:38:29 AM	SWE-23	EBJ	TV	OCO	17	61,719
P00505851-1	1/6/2019	1:38:35 AM	SOO-25	EBI	TV	OCO	121	469,982
P00497364-1	1/6/2019	1:38:36 AM	STW-13	ECA	TV	OCO	30	98,546
P00502068-1	1/6/2019	1:38:39 AM	ELD-25	ECC	TV	OCO	7	14,741
P00501426-1	1/6/2019	1:38:48 AM	PAT-15	ECC	TV	OCO	165	81,320
P00502615-1	1/6/2019	1:38:49 AM	LYO-12	EBJ	TV	OCO	-	112,379
P00500149-1	1/6/2019	1:39:00 AM	LWS-14	EBJ	TV	OCO	1,685	2,169,957
P00497389-1	1/6/2019	1:39:06 AM	ELD-27	ECC	TV	OCO	21	14,807
P00503585-1	1/6/2019	1:39:06 AM	GRI-15	ECC	TV	OCO	3	2,414
P00504341-1	1/6/2019	1:39:07 AM	KAP-15	ECA	TV	OCO	83	64,426
P00505925-1	1/6/2019	1:39:20 AM	SOO-25	EBI	TV	OCO	191	694,871
P00497408-1	1/6/2019	1:39:23 AM	FRA-12	ECD	TV	OCO	1,167	289,339
P00497413-1	1/6/2019	1:39:43 AM	WIS-14	EBF	TV	OCO	3,983	1,907,415
P00501702-1	1/6/2019	1:39:50 AM	GRI-13	ECC	TV	OCO	27	18,598
P00497425-1	1/6/2019	1:39:53 AM	PRI-23	ECC	TV	OCO	85	109,482
P00500897-1	1/6/2019	1:39:54 AM	PAN-13	EBJ	TV	OCO	1,003	743,842
P00506000-1	1/6/2019	1:39:58 AM	SOO-25	EBI	TV	OTR	445	568,132
P00497829-1	1/6/2019	1:40:00 AM	TLN-0152	EBF	TV	OCO	2,089	16,712
P00497428-1	1/6/2019	1:40:00 AM	FRG-22	ECC	TV	OFU	19	24,337
P00497449-1	1/6/2019	1:40:23 AM	FRG-24	ECC	TV	OCO	74	83,378
P00497456-1	1/6/2019	1:40:30 AM	PLG-13	ECC	TV	OCO	1,382	1,266,541
P00497462-1	1/6/2019	1:40:33 AM	WOO-27	ECA	TV	OCO	53	138,704
P00497480-1	1/6/2019	1:41:03 AM	HEM-16	ECA	TV	OCO	1,396	939,312
P00501418-1	1/6/2019	1:41:09 AM	PIN-17	EBD	TV	OCO	2,419	2,401,071
P00505136-1	1/6/2019	1:41:18 AM	BLU-16	ECC	TV	OCO	43	73,373
P00497732-1	1/6/2019	1:41:33 AM	MIR-17	EBF	TV	OCO	442	277,669
P00500383-1	1/6/2019	1:42:00 AM	TLN-0035	ECA	TV	OCO	468	1,650,676
P00497542-1	1/6/2019	1:42:16 AM	MAP-15	EBE	TV	OCO	838	218,536
P00500903-1	1/6/2019	1:42:20 AM	PAN-12	EBJ	TV	OCO	576	425,674
P00497548-1	1/6/2019	1:42:23 AM	EDG-12	EBJ	TV	OCO	633	2,047,502
P00499980-1	1/6/2019	1:42:32 AM	LWS-16	EBJ	TV	OCO	734	802,189
P00497664-1	1/6/2019	1:42:36 AM	LEA-15	EBJ	TV	OCO	259	614,348
P00497576-1	1/6/2019	1:42:42 AM	MAP-13	EBE	TV	OFU	104	68,671
P00504057-1	1/6/2019	1:42:43 AM	WLK-13	ECA	TV	OCO	534	929,432
P00502352-1	1/6/2019	1:42:49 AM	MIR-17	EBF	TV	OCO	56	267,849

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00497600-1	1/6/2019	1:42:58 AM	BUC-16	ECA	UN	OCO	762	815,650
P00498604-1	1/6/2019	1:43:00 AM	SUN-11	ECA	TV	OCO	2,795	2,178,982
P00497603-1	1/6/2019	1:43:01 AM	RAI-12	ECC	TV	OCO	193	383,556
P00503776-1	1/6/2019	1:43:05 AM	WLK-13	ECA	TV	OCO	134	303,798
P00503608-1	1/6/2019	1:43:16 AM	BUC-16	ECA	TV	OCO	3	232,046
P00497520-1	1/6/2019	1:43:20 AM	RDO-13	EBJ	TV	OCO	1,031	906,938
P00497634-1	1/6/2019	1:43:30 AM	LAT-17	EBJ	TV	OCO	107	229,519
P00503459-1	1/6/2019	1:43:48 AM	BUC-16	ECA	TV	OCO	37	56,532
P00499954-1	1/6/2019	1:44:00 AM	KNO-13	ECA	TV	OCO	2,991	3,323,989
P00498787-1	1/6/2019	1:44:00 AM	SMR-26	ECA	UN	OCO	592	898,716
P00497678-1	1/6/2019	1:44:14 AM	BUC-15	ECA	TV	OCO	721	957,238
P00504205-1	1/6/2019	1:44:15 AM	GAR-13	ECA	TV	OCO	152	251,735
P00498424-1	1/6/2019	1:44:21 AM	EDG-13	ECA	TV	OCO	87	181,335
P00501004-1	1/6/2019	1:44:32 AM	KAP-15	ECA	OD	OCO	671	697,777
P00503448-1	1/6/2019	1:44:33 AM	BUC-16	ECA	TV	OFU	138	319,341
P00502205-1	1/6/2019	1:44:41 AM	LYO-12	EBJ	TV	OTR	68	88,814
P00497717-1	1/6/2019	1:44:56 AM	KCR-15	EBJ	TV	OCO	3	16,596
P00501510-1	1/6/2019	1:44:56 AM	KAP-15	ECA	TV	OCO	332	1,004,898
P00504133-1	1/6/2019	1:44:57 AM	SPG-13	ECC	TV	OCO	9	21,721
P00501528-1	1/6/2019	1:45:00 AM	SHD-18	EBI	TV	OPO	1,302	2,308,902
P00497727-1	1/6/2019	1:45:02 AM	HEM-17	ECA	TV	OCO	640	605,485
P00497843-1	1/6/2019	1:45:08 AM	PHA-13	EBE	TV	OCO	77	142,465
P00497746-1	1/6/2019	1:45:22 AM	LMD-16	EBJ	TV	OCO	1,181	2,535,028
P00505871-1	1/6/2019	1:45:42 AM	SOO-25	EBI	TV	OPO	46	195,017
P00497773-1	1/6/2019	1:45:51 AM	DGR-13	ECA	TV	OCO	209	489,900
P00497744-1	1/6/2019	1:45:59 AM	MIR-26	EBF	TV	OCO	1	537
P00497807-1	1/6/2019	1:46:22 AM	SUN-14	ECA	TV	OCO	121	312,904
P00501297-1	1/6/2019	1:46:40 AM	BON-16	ECA	TV	OCO	11	38,111
P00506168-1	1/6/2019	1:46:42 AM	HOB-16	EBI	TV	OCO	8	22,156
P00499650-1	1/6/2019	1:46:54 AM	BON-17	ECA	TV	OCO	1,858	1,231,722
P00497798-1	1/6/2019	1:46:59 AM	SHA-15	ECA	TV	OCO	142	333,868
P00501378-1	1/6/2019	1:47:00 AM	TLN-0127	EBI	TV	OCO	3,246	4,747,729
P00498935-1	1/6/2019	1:47:00 AM	DGR-17	ECA	TV	OCO	402	453,968
P00497836-1	1/6/2019	1:47:01 AM	STA-26	EBJ	OD	OCO	1,421	530,697
P00497849-1	1/6/2019	1:47:20 AM	SOO-23	EBI	TV	OCO	3,171	1,892,680
P00497886-1	1/6/2019	1:47:55 AM	LAT-13	EBJ	OD	OCO	2,445	465,161
P00497882-1	1/6/2019	1:47:55 AM	GAR-16	ECA	TV	OCO	9	22,576
P00505080-1	1/6/2019	1:48:03 AM	WLK-15	ECA	TV	OCO	387	729,125
P00497919-1	1/6/2019	1:48:41 AM	NNO-12	EBJ	TV	OCO	791	768,839
P00501397-1	1/6/2019	1:48:43 AM	PIK-21	EBF	TV	OCO	1,247	1,157,736

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00497937-1	1/6/2019	1:48:57 AM	MVW-13	EBJ	TV	OCO	54	33,241
P00500432-1	1/6/2019	1:49:00 AM	ROL-13	EBJ	TV	OCO	1,755	958,260
P00498175-1	1/6/2019	1:49:00 AM	ROL-15	EBJ	EF	UPC	2,578	1,536,719
P00503507-1	1/6/2019	1:49:02 AM	EDG-13	ECA	TV	OCO	69	150,407
P00501270-1	1/6/2019	1:49:03 AM	GOO-21	EBF	TV	OPO	308	331,588
P00501278-1	1/6/2019	1:49:03 AM	GOO-01	EBF	TV	OCO	-	64,908
P00498357-1	1/6/2019	1:49:30 AM	MIR-13	EBF	TV	OCO	720	428,208
P00497967-1	1/6/2019	1:49:46 AM	BTR-22	EBE	TV	OCO	118	126,408
P00500798-1	1/6/2019	1:50:00 AM	SEQ-22	EBJ	TV	OCO	986	876,385
P00501723-1	1/6/2019	1:50:12 AM	WOO-25	ECA	TV	OCO	86	33,851
P00499337-1	1/6/2019	1:50:23 AM	EDG-15	ECA	TV	OCO	1,199	1,341,578
P00498012-1	1/6/2019	1:50:29 AM	EGT-12	EBE	TV	OCO	2,856	658,831
P00498027-1	1/6/2019	1:50:44 AM	MWD-15	EBE	TV	OCO	120	236,936
P00503794-1	1/6/2019	1:50:46 AM	DES-15	EBJ	TV	OCN	2	4,172
P00498030-1	1/6/2019	1:50:48 AM	WOL-25	ECC	TV	OTR	4	10,061
P00498031-1	1/6/2019	1:50:49 AM	KLA-17	EBD	TV	OCO	126	326,245
P00505121-1	1/6/2019	1:50:50 AM	OSC-23	EBI	UN	OCO	27	72,855
P00498041-1	1/6/2019	1:50:53 AM	MST-23	EBJ	TV	OCO	2,315	2,252,211
P00498087-1	1/6/2019	1:51:05 AM	EGT-25	EBE	TV	OCO	689	100,123
P00501365-1	1/6/2019	1:51:05 AM	VAS-23	EBL	TV	OCO	17	12,764
P00498092-1	1/6/2019	1:51:11 AM	FRG-23	ECC	TV	OCO	1,920	944,672
P00505141-1	1/6/2019	1:51:20 AM	LYO-15	EBJ	TV	OCO	104	238,550
P00505042-1	1/6/2019	1:51:24 AM	ORT-26	ECA	TV	OCO	36	74,610
P00497358-1	1/6/2019	1:51:32 AM	SWE-23	EBJ	TV	OCO	541	542,619
P00503646-1	1/6/2019	1:51:36 AM	EDG-13	ECA	TV	OCO	24	56,668
P00503875-1	1/6/2019	1:51:43 AM	SEQ-22	EBJ	TV	OCO	273	523,032
P00501308-1	1/6/2019	1:51:44 AM	VAS-13	EBL	TV	OCO	33	33,448
P00499187-1	1/6/2019	1:51:57 AM	SME-15	EBE	TV	OCO	129	252,581
P00504972-1	1/6/2019	1:52:00 AM	FCR-12	EBI	TV	OCR	-	47,446
P00500799-1	1/6/2019	1:52:00 AM	SEQ-13	EBJ	TV	OCO	2,769	1,132,824
P00498183-1	1/6/2019	1:52:07 AM	SHA-15	ECA	EF	OTF	10	27,324
P00498197-1	1/6/2019	1:52:25 AM	ENU-01	EBI	TV	OCO	-	966,107
P00498202-1	1/6/2019	1:52:27 AM	CED-15	ECA	TV	OCO	189	167,114
P00502816-1	1/6/2019	1:52:32 AM	OSC-26	EBI	TV	OCO	1,043	659,431
P00499881-1	1/6/2019	1:52:38 AM	LTA-18	ECA	TV	OCO	235	281,244
P00502413-1	1/6/2019	1:52:39 AM	FRG-23	ECC	TV	OCO	65	72,590
P00501996-1	1/6/2019	1:52:42 AM	MCA-15	ECC	TV	OCO	22	60,240
P00498511-1	1/6/2019	1:52:46 AM	MED-36	EBE	TV	OCO	2,546	975,141
P00498243-1	1/6/2019	1:52:59 AM	CAP-13	ECC	EF	OTF	1	2,081
P00498529-1	1/6/2019	1:53:00 AM	SHD-16	EBI	TV	OCO	1,263	926,768

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00505834-1	1/6/2019	1:53:18 AM	FCR-12	EBI	TV	OCO	158	619,149
P00498239-1	1/6/2019	1:53:19 AM	MVW-15	EBJ	TV	OCO	449	421,102
P00498267-1	1/6/2019	1:53:19 AM	DGR-15	ECA	TV	OCO	64	133,033
P00498281-1	1/6/2019	1:53:23 AM	FRG-25	ECC	TV	OCO	2,621	1,024,012
P00498283-1	1/6/2019	1:53:26 AM	GRI-13	ECC	TV	OCO	64	38,745
P00498331-1	1/6/2019	1:53:57 AM	BON-13	ECA	TV	OCO	1,234	2,455,558
P00498339-1	1/6/2019	1:54:01 AM	STW-13	ECA	TV	OCO	502	381,235
P00498280-1	1/6/2019	1:54:07 AM	FRG-25	ECC	TV	OCO	504	170,797
P00498365-1	1/6/2019	1:54:25 AM	WOO-27	ECA	TV	OCO	105	207,940
P00506372-1	1/6/2019	1:54:36 AM	HOB-16	EBI	TV	OCO	69	251,282
P00498396-1	1/6/2019	1:54:38 AM	MAP-15	EBE	TV	OCO	40	100,439
P00502752-1	1/6/2019	1:54:44 AM	CUM-13	EBI	TV	OCO	-	100,033
P00502455-1	1/6/2019	1:54:52 AM	LYO-12	EBJ	TV	OCO	3	4,183
P00498411-1	1/6/2019	1:54:54 AM	FWD-01	EBJ	TV	OCO	1,453	4,069,481
P00501428-1	1/6/2019	1:54:55 AM	KAP-15	ECA	TV	OCO	260	383,691
P00505078-1	1/6/2019	1:55:07 AM	HOB-17	EBI	TV	OCO	-	202,490
P00498442-1	1/6/2019	1:55:08 AM	KNT-37	EBJ	TV	OCO	48	116,655
P00503951-1	1/6/2019	1:55:08 AM	WLK-13	ECA	TV	OCO	74	185,718
P00498457-1	1/6/2019	1:55:11 AM	VAS-12	EBL	TV	OCO	232	379,971
P00503728-1	1/6/2019	1:55:22 AM	PIP-22	EBI	TV	OCO	130	202,087
P00499961-1	1/6/2019	1:55:25 AM	LWS-15	EBJ	TV	OCO	418	451,022
P00498029-1	1/6/2019	1:55:25 AM	DES-15	EBJ	TV	OCO	289	421,622
P00501306-1	1/6/2019	1:55:31 AM	HOB-15	EBI	TV	OCO	1,331	3,957,290
P00500907-1	1/6/2019	1:55:49 AM	PAN-16	EBJ	TV	OCO	329	652,658
P00503219-1	1/6/2019	1:55:55 AM	FWD-17	EBJ	TV	OCO	-	269,438
P00499334-1	1/6/2019	1:56:00 AM	TLN-0146	EBI	TV	OCO	-	459,345
P00501375-1	1/6/2019	1:56:00 AM	TLN-0088	EBJ	TV	OCO	792	1,487,028
P00503881-1	1/6/2019	1:56:12 AM	SEQ-22	EBJ	TV	OCO	202	221,937
P00499543-1	1/6/2019	1:56:43 AM	LTA-17	ECA	TV	OPO	1,016	2,316,368
P00498655-1	1/6/2019	1:56:58 AM	GAR-12	ECA	TV	OCO	74	268,387
P00501475-1	1/6/2019	1:57:00 AM	TLN-0047	EBJ	TV	OCO	-	475,767
P00500950-1	1/6/2019	1:57:03 AM	SWE-27	EBJ	TV	OCO	249	192,734
P00500928-1	1/6/2019	1:57:26 AM	GRV-15	ECA	TV	OCO	40	92,088
P00505568-1	1/6/2019	1:57:58 AM	LTA-17	ECA	TV	OCR	157	396,030
P00504073-1	1/6/2019	1:58:26 AM	HOB-15	EBI	TV	OCO	2	24,509
P00504073-3	1/6/2019	1:58:26 AM	HOB-15	EBI	TV		2	24,509
P00498785-1	1/6/2019	1:58:30 AM	SHD-17	EBI	TV	OFU	19	63,124
P00498790-1	1/6/2019	1:58:43 AM	GRV-13	ECA	EF	OTF	4	4,187
P00503566-1	1/6/2019	1:58:45 AM	PIN-26	EBD	TV	OCO	15	38,305
P00501476-1	1/6/2019	1:58:53 AM	WIS-15	EBF	TV	OCO	36	67,297

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00500908-1	1/6/2019	1:58:58 AM	PAN-14	EBJ	TV	OCO	1,203	831,754
P00505185-1	1/6/2019	1:58:59 AM	HOB-15	EBI	TV	OCO	37	121,791
P00498810-1	1/6/2019	1:59:07 AM	ROL-17	EBJ	TV	OCO	4	19,723
P00502350-1	1/6/2019	1:59:09 AM	KCR-17	EBJ	TV	OFU	9	33,883
P00506374-1	1/6/2019	1:59:57 AM	HOB-16	EBI	TV	OCO	273	979,996
P00504342-1	1/6/2019	1:59:59 AM	GAR-13	ECA	TV	OCR	32	90,660
P00506105-1	1/6/2019	2:00:04 AM	TOL-15	EBD	TV	OCO	118	303,011
P00499249-1	1/6/2019	2:00:04 AM	MKI-17	ECC	TV	OTR	1,173	962,052
P00498791-1	1/6/2019	2:00:13 AM	GRV-13	ECA	TV	OCO	16	41,982
P00498897-1	1/6/2019	2:00:18 AM	MIR-15	EBF	TV	OCO	141	32,552
P00498914-1	1/6/2019	2:00:30 AM	ORC-13	EBJ	TV	OCO	180	372,009
P00498955-1	1/6/2019	2:01:01 AM	PEA-15	EBJ	TV	OCO	15	56,467
P00505143-1	1/6/2019	2:01:10 AM	LYO-15	EBJ	TV	OCO	25	68,028
P00503170-1	1/6/2019	2:01:13 AM	SEQ-13	EBJ	TV	OCO	26	119,770
P00499687-1	1/6/2019	2:01:34 AM	HEM-15	ECA	EF	OJU	249	327,155
P00499010-1	1/6/2019	2:01:43 AM	KWH-01	EBE	ND	OCO	4,028	307,067
P00501225-1	1/6/2019	2:01:59 AM	SBE-26	EBE	TV	OCO	574	521,020
P00499042-1	1/6/2019	2:02:08 AM	PRE-14	EBE	EF	OCO	76	210,422
P00499046-1	1/6/2019	2:02:11 AM	GRI-16	ECC	TV	OCO	100	77,788
P00505062-1	1/6/2019	2:02:32 AM	LYO-15	EBJ	TV	OCO	15	54,947
P00503909-1	1/6/2019	2:02:41 AM	SME-12	EBE	TV	OCO	9	22,196
P00499070-1	1/6/2019	2:02:50 AM	BLU-17	ECC	TV	OCO	120	189,272
P00499074-1	1/6/2019	2:02:53 AM	MVW-17	EBJ	TV	OCO	402	914,215
P00499081-1	1/6/2019	2:02:54 AM	LMD-15	EBJ	TV	OSV	1	3,943
P00499346-1	1/6/2019	2:02:58 AM	BLU-13	ECC	TV	OCO	525	271,005
P00505537-1	1/6/2019	2:03:09 AM	SME-15	EBE	TV	OCO	17	35,306
P00499115-1	1/6/2019	2:03:18 AM	ELD-25	ECC	TV	OCO	4	12,802
P00501658-1	1/6/2019	2:03:26 AM	SME-13	EBE	TV	OCO	12	46,948
P00501382-1	1/6/2019	2:03:34 AM	VAS-13	EBL	TV	OCO	18	34,216
P00501727-1	1/6/2019	2:03:36 AM	SPG-14	ECC	TV	OCO	41	85,274
P00499137-1	1/6/2019	2:03:57 AM	CLY-27	EBE	UN	OCO	4	8,552
P00501400-1	1/6/2019	2:03:58 AM	PIK-23	EBF	UN	OCO	2,394	2,176,026
P00497424-1	1/6/2019	2:04:07 AM	PAN-15	EBJ	TV	OCO	5	17,687
P00499145-1	1/6/2019	2:04:26 AM	ZEN-23	EBJ	TV	OCO	2	7,932
P00502981-1	1/6/2019	2:04:54 AM	KLA-18	EBD	TV	OCO	17	82,034
P00501848-1	1/6/2019	2:05:12 AM	GAR-12	ECA	TV	OCO	95	192,658
P00499204-1	1/6/2019	2:05:21 AM	PRE-13	EBE	TV	OCO	99	52,252
P00499052-1	1/6/2019	2:05:23 AM	LAT-16	EBJ	TV	OCO	-	24,003
P00503647-1	1/6/2019	2:05:46 AM	BUC-26	ECA	TV	OCO	60	92,899
P00501376-1	1/6/2019	2:05:56 AM	GOO-13	EBF	TV	OCO	1,910	1,689,076

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00501369-1	1/6/2019	2:06:21 AM	GOO-16	EBF	TV	OCO	728	645,954
P00501404-1	1/6/2019	2:06:28 AM	PIK-25	EBF	TV	OCO	1,587	1,461,548
P00501367-1	1/6/2019	2:06:41 AM	GOO-17	EBF	TV	OCO	1,074	900,316
P00496770-1	1/6/2019	2:06:47 AM	HOB-16	EBI	TV	OCO	766	3,309,405
P00499292-1	1/6/2019	2:06:50 AM	STW-16	ECA	TV	OCO	896	448,105
P00506373-1	1/6/2019	2:07:04 AM	HOB-16	EBI	TV	OCO	247	844,476
P00499308-1	1/6/2019	2:07:12 AM	SBE-22	EBE	TV	OCO	75	251,225
P00499336-1	1/6/2019	2:07:36 AM	CLY-26	EBE	TV	OCO	49	176,238
P00499964-1	1/6/2019	2:07:51 AM	LWS-12	EBJ	TV	OCO	197	665,291
P00499338-1	1/6/2019	2:07:58 AM	MSI-24	EBF	TV	OCO	88	307,416
P00499341-1	1/6/2019	2:08:05 AM	EAR-17	EBJ	TV	OCO	58	282,853
P00499356-1	1/6/2019	2:08:22 AM	DUV-13	EBD	UN	OCO	1,325	1,065,485
P00503767-1	1/6/2019	2:08:31 AM	HOB-15	EBI	TV	OCO	17	60,787
P00501461-1	1/6/2019	2:08:44 AM	LUH-14	ECC	TV	OCO	49	64,225
P00502107-1	1/6/2019	2:09:00 AM	TLN-0157	EBI	TV	OCO	881	1,611,554
P00500982-1	1/6/2019	2:09:00 AM	TLN-0157	ECA	TV	OCO	2,723	1,464,681
P00502095-1	1/6/2019	2:09:24 AM	WIS-12	EBF	TV	OCO	34	69,845
P00499377-1	1/6/2019	2:09:25 AM	LTA-18	ECA	TV	OCO	92	166,081
P00504481-1	1/6/2019	2:09:49 AM	HOB-17	EBI	TV	OCO	55	177,636
P00499412-1	1/6/2019	2:10:00 AM	PLA-21	EBD	TV	OCO	385	454,011
P00499415-1	1/6/2019	2:10:00 AM	STA-15	EBJ	TV	OCO	4	16,821
P00501845-1	1/6/2019	2:10:01 AM	MTH-17	EBJ	TV	OCO	22	85,910
P00503804-1	1/6/2019	2:10:15 AM	NNO-12	EBJ	TV	OCO	33	71,270
P00499420-1	1/6/2019	2:10:17 AM	HWD-22	EBD	TV	OHR	1,042	915,553
P00505580-1	1/6/2019	2:10:18 AM	WIS-13	EBF	TV	OCO	92	189,508
P00499425-1	1/6/2019	2:10:37 AM	NRU-25	EBE	TV	OCO	6	22,577
P00499339-1	1/6/2019	2:10:56 AM	PAT-15	ECC	TV	OCO	2	6,698
P00501352-1	1/6/2019	2:11:00 AM	TLN-0218	EBI	TV	OCO	1,132	1,038,332
P00501359-1	1/6/2019	2:11:00 AM	TLN-0042	EBI	TV	OCO	-	237,422
P00503113-1	1/6/2019	2:11:05 AM	SEQ-13	EBJ	UN	OCO	19	80,903
P00499443-1	1/6/2019	2:11:11 AM	FAL-15	EBF	TV	OCO	960	647,936
P00501374-1	1/6/2019	2:11:16 AM	VAS-13	EBL	TV	OCO	35	64,001
P00502411-1	1/6/2019	2:11:41 AM	FRG-24	ECC	TV	OCO	641	329,239
P00505224-1	1/6/2019	2:12:15 AM	HOB-16	EBI	TV	OCO	46	79,436
P00501513-1	1/6/2019	2:12:29 AM	HEM-15	ECA	AC	OCO	2,030	839,292
P00499494-1	1/6/2019	2:12:34 AM	ROS-21	EBD	TV	OCO	64	83,004
P00500048-1	1/6/2019	2:12:41 AM	COT-01	EBD	TV	OCO	5,280	871,200
P00505248-1	1/6/2019	2:12:43 AM	ROS-21	EBD	TV	OCO	21	55,361
P00499524-1	1/6/2019	2:13:01 AM	SOM-16	EBE	TV	OCO	2,572	676,307
P00502921-1	1/6/2019	2:13:06 AM	FCR-12	EBI	TV	OCO	55	202,975

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00499555-1	1/6/2019	2:13:13 AM	HWD-26	EBD	TV	OCO	1,591	1,298,305
P00501690-1	1/6/2019	2:13:15 AM	ELD-25	ECC	TV	OTR	15	52,396
P00501606-1	1/6/2019	2:13:31 AM	MAP-15	EBE	TV	OHR	895	870,094
P00503036-1	1/6/2019	2:13:44 AM	TOL-15	EBD	TV	OCO	11	16,932
P00499609-1	1/6/2019	2:13:50 AM	SPG-13	ECC	TV	OSV	1	3,265
P00499613-1	1/6/2019	2:13:55 AM	SNQ-17	EBF	TV	OCO	6	1,227
P00505059-1	1/6/2019	2:13:59 AM	OSC-23	EBI	TV	OCO	5	20,675
P00501314-1	1/6/2019	2:14:00 AM	VAS-13	EBL	TV	OCO	91	87,877
P00503858-1	1/6/2019	2:14:06 AM	AVO-17	EBD	TV	OCO	27	112,889
P00499622-1	1/6/2019	2:14:06 AM	EDG-13	ECA	TV	OCO	6	12,537
P00499635-1	1/6/2019	2:14:18 AM	MLK-15	EBE	TV	OSV	1	2,315
P00499636-1	1/6/2019	2:14:28 AM	PHA-13	EBE	TV	OCO	216	745,190
P00501372-1	1/6/2019	2:14:43 AM	GOO-15	EBF	TV	OCO	44	61,692
P00499651-1	1/6/2019	2:14:46 AM	ING-17	EBD	TV	OFU	8	15,500
P00499653-1	1/6/2019	2:14:49 AM	TOL-17	EBD	TV	OCO	103	208,577
P00499655-1	1/6/2019	2:14:50 AM	NBO-26	EBD	TV	OFU	97	182,926
P00499656-1	1/6/2019	2:15:04 AM	NBE-12	EBF	TV	OCO	497	1,485,352
P00499501-1	1/6/2019	2:15:15 AM	ROS-21	EBD	TV	OCO	452	350,394
P00501000-1	1/6/2019	2:15:32 AM	SKI-13	EBD	TV	OCO	153	194,075
P00499694-1	1/6/2019	2:15:46 AM	DUV-15	EBD	TV	OPO	1,163	1,473,572
P00499691-1	1/6/2019	2:15:47 AM	GRV-12	ECA	OD	OCO	881	483,933
P00505344-1	1/6/2019	2:16:00 AM	HOB-17	EBI	TV	OCO	9	46,814
P00499712-1	1/6/2019	2:16:01 AM	NOR-26	EBD	TV	OCO	19	40,621
P00499713-1	1/6/2019	2:16:02 AM	MCA-13	ECC	TV	OTF	6	17,941
P00499714-1	1/6/2019	2:16:05 AM	CED-15	ECA	TV	OCO	33	62,069
P00499718-1	1/6/2019	2:16:08 AM	NHL-15	EBD	TV	OCO	3,410	217,786
P00499742-1	1/6/2019	2:16:28 AM	DGR-15	ECA	TV	OCO	655	983,181
P00500152-1	1/6/2019	2:16:58 AM	HWD-25	EBD	TV	OCO	138	14,228
P00499794-1	1/6/2019	2:16:58 AM	PRE-14	EBE	TV	OCO	47	74,150
P00499844-1	1/6/2019	2:17:33 AM	NNO-15	EBJ	TV	OCO	53	79,231
P00499855-1	1/6/2019	2:17:52 AM	SNQ-16	EBF	TV	OCO	644	250,899
P00499863-1	1/6/2019	2:17:53 AM	FNW-16	ECD	TV	OCO	97	16,432
P00499872-1	1/6/2019	2:18:14 AM	PCR-13	EBE	TV	OFU	50	192,781
P00500161-1	1/6/2019	2:18:23 AM	EGT-27	EBE	TV	OFU	61	45,052
P00499879-1	1/6/2019	2:18:28 AM	NBE-12	EBF	TV	OCO	58	151,063
P00499903-1	1/6/2019	2:19:06 AM	SAH-15	EBD	TV	OCO	9	9,623
P00503042-1	1/6/2019	2:19:06 AM	GAR-13	ECA	TV	OCO	93	157,427
P00501169-1	1/6/2019	2:19:40 AM	VAS-13	EBL	TV	OPO	134	180,880
P00499946-1	1/6/2019	2:20:02 AM	LMD-13	EBJ	TV	OCO	112	71,546
P00500006-1	1/6/2019	2:20:16 AM	ELD-25	ECC	TV	OCO	5	15,486

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00499852-1	1/6/2019	2:20:27 AM	VAS-13	EBL	TV	OCO	11	10,482
P00501403-1	1/6/2019	2:21:14 AM	PIK-24	EBF	TV	OCO	168	153,703
P00499904-1	1/6/2019	2:21:48 AM	SAH-15	EBD	TV	OCO	30	117,360
P00500076-1	1/6/2019	2:22:01 AM	MSI-24	EBF	TV	OCO	93	365,527
P00500086-1	1/6/2019	2:22:16 AM	PHA-17	EBE	EF	OCO	36	81,938
P00500111-1	1/6/2019	2:22:46 AM	JUA-21	EBD	TV	OCO	227	243,128
P00500116-1	1/6/2019	2:22:54 AM	CED-13	ECA	TV	OCO	6	13,107
P00500125-1	1/6/2019	2:23:15 AM	SAH-13	EBD	TV	OCO	1,649	644,594
P00499624-1	1/6/2019	2:23:29 AM	AVO-17	EBD	TV	OCO	241	199,741
P00500506-1	1/6/2019	2:24:00 AM	ZEN-24	EBJ	OD	OCO	1,059	1,097,681
P00504186-1	1/6/2019	2:24:15 AM	TOL-15	EBD	TV	OCO	347	791,308
P00500153-1	1/6/2019	2:24:15 AM	RDO-16	EBJ	TV	OCO	122	281,228
P00504301-1	1/6/2019	2:24:18 AM	WOL-25	ECC	TV	OSV	1	3,561
P00505747-1	1/6/2019	2:24:52 AM	NBE-12	EBF	TV	OCO	66	62,049
P00500199-1	1/6/2019	2:25:00 AM	CWD-24	EBD	TV	OCO	52	126,670
P00502791-1	1/6/2019	2:25:32 AM	LHL-22	EBE	OD	OFU	7	25,654
P00500230-1	1/6/2019	2:25:48 AM	LLT-16	EBD	TV	OCO	556	229,201
P00500236-1	1/6/2019	2:25:53 AM	ZEN-26	EBJ	TV	OCO	30	51,854
P00500242-1	1/6/2019	2:26:09 AM	VAS-23	EBL	TV	OCO	41	20,346
P00500244-1	1/6/2019	2:26:12 AM	GRV-16	ECA	TV	OTR	3	6,830
P00503513-1	1/6/2019	2:26:17 AM	EGT-27	EBE	TV	OCO	48	33,935
P00501317-1	1/6/2019	2:26:24 AM	SWE-13	EBJ	TV	OCO	560	782,108
P00500287-1	1/6/2019	2:27:11 AM	NRU-25	EBE	ND	OCO	49	86,397
P00504640-1	1/6/2019	2:27:31 AM	PRE-14	EBE	TV	OCO	11	12,177
P00502162-1	1/6/2019	2:27:59 AM	VAS-23	EBL	TV	OCO	11	21,653
P00505703-1	1/6/2019	2:28:16 AM	NBE-12	EBF	ND	OPO	32	110,350
P00500039-1	1/6/2019	2:28:19 AM	RHO-13	ECA	EF	OCO	6,865	7,732,636
P00500367-1	1/6/2019	2:29:16 AM	BON-15	ECA	TV	OCO	8	15,856
P00505818-1	1/6/2019	2:29:27 AM	NBE-12	EBF	TV	OCO	86	177,071
P00500376-1	1/6/2019	2:29:34 AM	EPO-12	ECD	TV	OCO	5	3,118
P00500381-1	1/6/2019	2:29:39 AM	ELD-25	ECC	TV	OCO	10	19,428
P00500339-1	1/6/2019	2:30:06 AM	TOL-15	EBD	TV	OCO	153	150,697
P00500300-1	1/6/2019	2:30:09 AM	FAL-16	EBF	TV	OCO	82	204,418
P00504369-1	1/6/2019	2:30:13 AM	DUV-12	EBD	TV	OCO	256	430,766
P00501543-1	1/6/2019	2:30:14 AM	PRE-14	EBE	TV	OCO	105	144,464
P00504193-1	1/6/2019	2:30:55 AM	MWD-13	EBE	TV	OCO	8	20,864
P00500421-1	1/6/2019	2:30:58 AM	VAS-13	EBL	TV	OSV	3	3,264
P00500419-1	1/6/2019	2:31:02 AM	MSI-24	EBF	TV	OCO	28	99,543
P00504598-1	1/6/2019	2:31:20 AM	LTA-18	ECA	TV	OCO	389	561,411
P00503496-1	1/6/2019	2:31:22 AM	DUV-12	EBD	TV	OCO	20	63,725

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P00503496-3	1/6/2019	2:31:22 AM	DUV-12	EBD			20	63,716
P00501420-1	1/6/2019	2:33:26 AM	PIN-26	EBD	TV	OCO	106	121,561
P00500467-1	1/6/2019	2:33:56 AM	NBE-12	EBF	TV	OCO	108	130,440
P00502688-1	1/6/2019	2:34:37 AM	VAS-23	EBL	TV	OCO	30	58,031
P00500473-1	1/6/2019	2:34:45 AM	SNQ-17	EBF	TV	OCO	152	19,196
P00502155-1	1/6/2019	2:35:03 AM	NRU-26	EBE	TV	OFU	38	70,972
P00500454-1	1/6/2019	2:35:10 AM	CWD-24	EBD	TV	OFU	18	12,736
P00502328-1	1/6/2019	2:35:14 AM	ROL-17	EBJ	TV	OCO	215	438,288
P00500485-1	1/6/2019	2:35:55 AM	KCR-16	EBJ	TV	OCO	-	3,419
P00500504-1	1/6/2019	2:36:49 AM	GRA-25	EBJ	UN	OCO	46	97,746
P00501222-1	1/6/2019	2:37:05 AM	SNQ-17	EBF	TV	OCO	69	37,866
P00500517-1	1/6/2019	2:38:36 AM	UHL-23	EBD	TV	OCO	35	167,215
P00503100-1	1/6/2019	2:38:56 AM	TOL-15	EBD	TV	OCO	31	35,846
P00504571-1	1/6/2019	2:40:23 AM	BUC-16	ECA	TV	OCO	397	200,027
P00502482-1	1/6/2019	2:40:29 AM	VAS-23	EBL	TV	OCO	4	8,272
P00500545-1	1/6/2019	2:40:39 AM	NBE-13	EBF	TV	OCO	1,156	592,952
P00504956-1	1/6/2019	2:40:47 AM	GAR-13	ECA	TV	OCO	1	3,840
P00500555-1	1/6/2019	2:41:10 AM	LLT-16	EBD	TV	OCO	11	43,874
P00501733-1	1/6/2019	2:41:11 AM	MWD-16	EBE	TV	OCO	28	57,235
P00500567-1	1/6/2019	2:41:40 AM	ZEN-25	EBJ	TV	OFU	6	21,084
P00500584-1	1/6/2019	2:42:31 AM	FNW-17	ECD	TV	OCO	44	18,440
P00501797-1	1/6/2019	2:43:24 AM	VAS-23	EBL	TV	OCO	133	43,118
P00505813-3	1/6/2019	2:43:25 AM	MWD-16	EBE	TV		40	86,803
P00505813-1	1/6/2019	2:43:25 AM	MWD-16	EBE	TV	OFU	40	86,803
P00500599-1	1/6/2019	2:43:38 AM	HAZ-16	EBE	TV	OCO	14	57,418
P00505151-1	1/6/2019	2:44:00 AM	LYO-15	EBJ	TV	OCO	1,718	2,477,956
P00500608-1	1/6/2019	2:44:11 AM	MKI-17	ECC	TV	OTF	4	11,610
P00500617-1	1/6/2019	2:45:16 AM	UHL-25	EBD	TV	OCO	489	224,011
P00504085-1	1/6/2019	2:45:47 AM	ZEN-24	EBJ	TV	OCO	9	19,962
P00500666-1	1/6/2019	2:47:00 AM	NBE-16	EBF	TV	OCO	50	133,069
P00502535-1	1/6/2019	2:47:32 AM	LTA-18	ECA	TV	OCO	1	3,383
P00500677-1	1/6/2019	2:47:44 AM	ROL-17	EBJ	TV	OCO	4	14,279
P00501032-1	1/6/2019	2:47:48 AM	TOL-17	EBD	TV	OCO	2	9,860
P00501309-1	1/6/2019	2:48:47 AM	VAS-13	EBL	TV	OCO	-	11,191
P00501347-1	1/6/2019	2:49:27 AM	VAS-23	EBL	TV	OCO	53	92,430
P00500707-1	1/6/2019	2:49:40 AM	MWD-15	EBE	TV	OCO	5	14,284
P00500719-1	1/6/2019	2:50:40 AM	MAP-15	EBE	TV	OCO	9	14,259
P00500721-1	1/6/2019	2:50:56 AM	LLT-13	EBD	TV	OPO	651	277,077
P00500722-1	1/6/2019	2:51:03 AM	ZEN-25	EBJ	TV	OFU	5	17,627
P00500882-1	1/6/2019	2:52:41 AM	LON-26	ECC	TV	OCO	1,869	955,370

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P00500767-1	1/6/2019	2:53:13 AM	LON-25	ECC	TV	OCO	138	569,759
P00500754-1	1/6/2019	2:53:20 AM	HIG-16	EBE	TV	OCO	194	215,706
P00501413-3	1/6/2019	2:53:53 AM	COT-13	EBD	UN		1,134	800,845
P00501413-1	1/6/2019	2:53:53 AM	COT-13	EBD	TV	OCO	1,134	800,845
P00500797-1	1/6/2019	2:54:27 AM	DES-15	EBJ	UN	OCO	83	173,881
P00500847-1	1/6/2019	2:57:02 AM	DES-13	EBJ	TV	OCO	15	36,160
P00500854-1	1/6/2019	2:57:33 AM	MED-37	EBE	TV	OCO	147	48,486
P00501899-1	1/6/2019	2:57:45 AM	TOL-15	EBD	TV	OCO	28	135,084
P00500861-1	1/6/2019	2:58:08 AM	CAM-17	EBJ	TV	OCO	5	17,189
P00500865-1	1/6/2019	2:58:37 AM	DES-12	EBJ	TV	OSV	1	2,920
P00500873-1	1/6/2019	3:01:03 AM	TOL-17	EBD	TV	OCO	3	12,574
P00500881-1	1/6/2019	3:02:56 AM	ROC-26	ECC	TV	OCO	6	9,276
P00500884-1	1/6/2019	3:03:53 AM	MAP-13	EBE	TV	OCO	1	5,080
P00501503-1	1/6/2019	3:04:03 AM	WIS-15	EBF	TV	OFU	8	14,812
P00500888-1	1/6/2019	3:05:37 AM	MCW-15	ECE	TV	OCR	1,834	612,098
P00501935-1	1/6/2019	3:07:48 AM	GLC-15	EBJ	TV	OFU	12	37,008
P00500919-1	1/6/2019	3:08:11 AM	NHL-17	EBD	TV	OCO	11	40,421
P00500995-1	1/6/2019	3:08:24 AM	FAB-17	EAD	TV	OCO	1,778	171,874
P00500937-1	1/6/2019	3:11:17 AM	HIG-13	EBE	TV	OCO	327	319,561
P00503888-1	1/6/2019	3:12:08 AM	LON-25	ECC	TV	OCO	38	29,700
P00500940-1	1/6/2019	3:12:09 AM	CRE-12	EAD	TV	OCO	24	3,108
P00500963-1	1/6/2019	3:12:20 AM	BOW-26	EBJ	TV	OCO	26	43,359
P00503683-1	1/6/2019	3:12:34 AM	SPA-16	ECA	TV	OCO	35	116,594
P00500947-1	1/6/2019	3:12:40 AM	CED-13	ECA	TV	OSV	1	818
P00500959-1	1/6/2019	3:13:00 AM	LON-22	ECC	TV	OCO	738	526,833
P00501945-1	1/6/2019	3:13:03 AM	HAZ-15	EBE	TV	OCO	27	100,983
P00503801-1	1/6/2019	3:14:43 AM	LON-25	ECC	TV	OCO	-	36,807
P00501437-1	1/6/2019	3:15:21 AM	SMR-23	ECA	TV	OCO	13	42,707
P00501634-1	1/6/2019	3:16:16 AM	YEL-26	ECC	TV	OCO	112	222,228
P00501752-1	1/6/2019	3:16:25 AM	MWD-13	EBE	TV	OCO	47	106,916
P00500987-1	1/6/2019	3:17:31 AM	MAP-15	EBE	TV	OCO	13	11,557
P00501792-1	1/6/2019	3:19:55 AM	KWH-23	EBE	TV	OCO	945	878,928
P00501006-1	1/6/2019	3:21:12 AM	ROL-16	EBJ	TV	OSV	6	21,211
P00501814-1	1/6/2019	3:21:29 AM	RAI-12	ECC	TV	OTF	5	9,537
P00501220-1	1/6/2019	3:21:30 AM	YEL-25	ECC	TV	OCO	1	2,176
P00501041-1	1/6/2019	3:23:00 AM	HKX-16	EAC	TV	OCO	1,154	118,797
P00501021-1	1/6/2019	3:23:00 AM	HKX-13	EAC	TV	OCO	319	40,334
P00501013-1	1/6/2019	3:23:00 AM	TLN-0041	ECA	TV	OCO	1,344	1,096,559
P00501018-1	1/6/2019	3:23:12 AM	MAP-15	EBE	TV	OCO	-	1,288
P00501034-1	1/6/2019	3:27:24 AM	KNT-37	EBJ	TV	OCO	5	23,400

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P00501036-1	1/6/2019	3:27:44 AM	WOL-23	ECC	EF	OFC	8	17,120
P00501538-1	1/6/2019	3:29:10 AM	LTA-18	ECA	TV	OCO	23	53,189
P00501042-1	1/6/2019	3:29:48 AM	PET-16	EAC	TV	OCO	8	3,653
P00501048-1	1/6/2019	3:31:25 AM	MER-15	EBE	TV	OCO	305	78,009
P00501048-4	1/6/2019	3:31:25 AM	MER-15	EBE			305	78,009
P00501049-1	1/6/2019	3:32:13 AM	FRA-16	ECD	TV	OCO	5	3,999
P00501074-1	1/6/2019	3:35:07 AM	FLD-12	EAD	TV	OHS	12	2,879
P00501084-1	1/6/2019	3:36:44 AM	MVW-17	EBJ	TV	OCO	5	15,449
P00501094-1	1/6/2019	3:38:14 AM	RIT-16	EAC	EF	OFU	59	9,807
P00501098-1	1/6/2019	3:38:44 AM	CAR-16	EAA	EF	OTF	2	98
P00501109-1	1/6/2019	3:41:33 AM	SLA-16	EAA	TV	OCO	716	222,239
P00501989-1	1/6/2019	3:44:28 AM	NBO-26	EBD	TV	OCO	49	45,656
P00501123-1	1/6/2019	3:45:24 AM	LTA-18	ECA	TV	OCO	2	6,996
P00503716-1	1/6/2019	3:49:56 AM	DGR-17	ECA	TV	OPO	17	37,337
P00501523-1	1/6/2019	3:51:26 AM	SLA-16	EAA	TV	OCO	-	129,035
P00501151-1	1/6/2019	3:55:45 AM	GAR-13	ECA	TV	OFU	17	61,375
P00501153-1	1/6/2019	3:56:11 AM	HAZ-12	EBE	EF	OCO	5	12,779
P00501162-1	1/6/2019	3:58:20 AM	PRE-13	EBE	TV	OSV	1	384
P00501173-1	1/6/2019	4:02:28 AM	FAC-12	EBE	TV	OCO	32	51,861
P00501174-1	1/6/2019	4:02:38 AM	ING-13	EBD	TV	OCO	1,180	739,978
P00501202-1	1/6/2019	4:06:59 AM	UHL-23	EBD	TV	OCO	14	65,195
P00501214-1	1/6/2019	4:09:35 AM	WOO-27	ECA	TV	OCO	4	7,831
P00501239-1	1/6/2019	4:16:00 AM	WOO-23	ECA	TV	OCO	996	500,109
P00504482-1	1/6/2019	4:18:58 AM	HOB-17	EBI	TV	OCO	8	29,246
P00504765-1	1/6/2019	4:24:49 AM	KAP-13	ECA	TV	OCO	162	483,355
P00501330-1	1/6/2019	4:26:38 AM	LMC-23	EBE	TV	OCO	861	629,687
P00501296-1	1/6/2019	4:32:05 AM	HAZ-12	EBE	TV	OCO	6	21,276
P00502123-1	1/6/2019	4:34:30 AM	VAS-12	EBL	TV	OCO	2	4,005
P00501331-1	1/6/2019	4:38:58 AM	LMC-25	EBE	TV	OCO	-	109,296
P00501333-1	1/6/2019	4:42:38 AM	LMC-23	EBE	TV	OCO	250	65,967
P00501337-1	1/6/2019	4:44:45 AM	PAN-16	EBJ	TV	OSV	6	13,460
P00501345-1	1/6/2019	4:47:08 AM	MVW-15	EBJ	TV	OCO	41	25,722
P00501360-1	1/6/2019	4:52:29 AM	VAS-13	EBL	TV	OCO	3	1,771
P00501867-1	1/6/2019	4:56:00 AM	MHT-16	EBJ	TV	OCO	205	169,566
P00501388-1	1/6/2019	4:59:18 AM	LAT-13	EBJ	TV	OCO	100	198,187
P00501385-1	1/6/2019	4:59:54 AM	TRA-23	ECE	TV	OCN	6	982
P00501393-1	1/6/2019	5:03:45 AM	ROC-27	ECC	TV	OCO	3	4,662
P00503008-1	1/6/2019	5:05:33 AM	COT-13	EBD	TV	OCO	669	940,777
P00501414-1	1/6/2019	5:05:59 AM	COT-15	EBD	TV	OHR	1,267	924,810
P00501399-1	1/6/2019	5:06:00 AM	PIK-22	EBF	TV	OCO	1	735

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P00502159-1	1/6/2019	5:10:09 AM	NNO-15	EBJ	TV	OCO	82	182,285
P00501424-1	1/6/2019	5:11:17 AM	WIS-15	EBF	TV	OCO	21	100,090
P00502462-1	1/6/2019	5:14:00 AM	COT-13	EBD	TV	OCO	146	264,679
P00502641-1	1/6/2019	5:17:59 AM	COT-16	EBD	EF	OCO	190	256,684
P00501446-1	1/6/2019	5:18:35 AM	KCR-16	EBJ	OD	OCO	1,388	398,347
P00501451-1	1/6/2019	5:18:38 AM	PEA-16	EBJ	TV	OCO	1	5,261
P00501484-1	1/6/2019	5:18:38 AM	RDO-13	EBJ	TV	OCO	476	269,678
P00501447-1	1/6/2019	5:21:28 AM	STW-13	ECA	TV	OJU	4	12,353
P00503278-1	1/6/2019	5:24:01 AM	ROC-17	ECC	TV	OFU	13	13,282
11485647	1/6/2019	5:26:35 AM	TLN-0158	EBI	TV	OCO	4,511	73,830
P00501469-1	1/6/2019	5:27:19 AM	JUA-25	EBD	TV	OCO	7	13,251
P00501482-1	1/6/2019	5:28:36 AM	NNO-15	EBJ	TV	OSV	1	4,344
P00501487-1	1/6/2019	5:30:22 AM	WOO-27	ECA	TV	OSV	4	8,081
P00501512-1	1/6/2019	5:41:49 AM	PIN-27	EBD	TV	OCO	875	653,698
P00501535-1	1/6/2019	5:42:35 AM	ENU-15	EBI	TV	OCO	4,511	775,138
P00501522-1	1/6/2019	5:44:55 AM	COT-16	EBD	TV	OCO	50	101,479
P00501531-1	1/6/2019	5:46:22 AM	FRA-12	ECD	TV	OCO	41	10,385
P00501536-1	1/6/2019	5:47:54 AM	GRI-16	ECC	TV	OSV	4	11,956
P00498897-1	1/6/2019	5:52:11 AM	MIR-15	EBF	TV	OCO	313	302,911
P00501549-1	1/6/2019	5:55:46 AM	AIR-22	ECC	TV	OSV	1	3,199
P00501554-1	1/6/2019	5:57:17 AM	LMC-26	EBE	TV	OCO	500	639,442
P00502120-1	1/6/2019	5:57:28 AM	EGT-12	EBE	TV	OCO	27	110,448
P00501556-1	1/6/2019	5:58:20 AM	LMC-01	EBE	TV	FHV	2,162	1,229,228
P00501562-1	1/6/2019	5:59:03 AM	WAU-26	EBJ	OD	OCO	900	335,035
P00501563-1	1/6/2019	6:00:25 AM	PIN-27	EBD	TV	OCO	20	7,972
P00501569-1	1/6/2019	6:00:28 AM	WAU-22	EBJ	TV	OCO	1,067	350,901
P00503011-1	1/6/2019	6:01:01 AM	VAS-12	EBL	TV	OCO	15	26,220
P00501278-1	1/6/2019	6:14:11 AM	GOO-01	EBF	TV	OCO	4,119	692,340
P00501636-1	1/6/2019	6:18:08 AM	BEL-16	EBJ	TV	OCO	10	23,596
P00505137-1	1/6/2019	6:20:30 AM	BLU-16	ECC	TV	OCO	29	38,896
P00502731-1	1/6/2019	6:20:54 AM	ROC-25	ECC	TV	OCO	86	198,776
P00501644-1	1/6/2019	6:21:05 AM	EDG-16	ECA	TV	OCO	8	25,421
P00506377-1	1/6/2019	6:22:48 AM	RHO-13	ECA	TV	OCO	122	370,744
P00502165-1	1/6/2019	6:22:51 AM	GAR-13	ECA	TV	OCO	26	18,159
P00502175-1	1/6/2019	6:23:15 AM	WOO-26	ECA	TV	OCO	26	64,338
P00501655-1	1/6/2019	6:24:31 AM	EDG-16	ECA	TV	OSV	4	18,777
P00505955-1	1/6/2019	6:28:43 AM	LYO-15	EBJ	TV	OCO	5	11,731
P00501676-1	1/6/2019	6:31:00 AM	RAI-11	ECC	TV	OTF	3	4,757
P00501677-1	1/6/2019	6:31:28 AM	EDG-13	ECA	TV	OFU	9	16,076
P00501684-1	1/6/2019	6:31:32 AM	WAB-13	EBI	TV	OCO	911	1,089,667

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00501735-1	1/6/2019	6:32:15 AM	BDI-13	EBI	TV	OCO	552	313,668
P00501693-1	1/6/2019	6:36:10 AM	MWD-15	EBE	TV	OCO	19	27,225
P00502675-1	1/6/2019	6:36:31 AM	ROC-25	ECC	TV	OCO	13	35,642
P00502006-1	1/6/2019	6:36:42 AM	PLG-13	ECC	TV	OCO	-	17,558
P00504044-1	1/6/2019	6:37:15 AM	SME-15	EBE	TV	OCO	11	18,826
P00501714-1	1/6/2019	6:39:53 AM	HKX-13	EAC	EF	OPO	64	7,491
P00505964-1	1/6/2019	6:40:55 AM	ROC-25	ECC	TV	OCO	20	53,100
P00501712-1	1/6/2019	6:41:36 AM	PIN-27	EBD	TV	OCO	22	47,141
P00501716-1	1/6/2019	6:43:05 AM	LAT-16	EBJ	UN	OSV	29	47,836
P00506078-1	1/6/2019	6:44:26 AM	MIR-15	EBF	TV	OCO	49	111,698
P00504845-1	1/6/2019	6:45:37 AM	RHO-13	ECA	TV	OCO	253	573,142
P00503666-1	1/6/2019	6:48:06 AM	BDI-13	EBI	TV	OCO	740	861,583
P00501736-1	1/6/2019	6:50:29 AM	BDI-15	EBI	UN	OCO	482	383,271
P00501745-1	1/6/2019	6:53:36 AM	BON-15	ECA	SO	OSV	1	2,412
P00501751-1	1/6/2019	6:54:44 AM	UHL-23	EBD	TV	OCO	8	36,263
P00501755-1	1/6/2019	6:55:59 AM	FAB-17	EAD	EF	UPC	16	6,609
P00501764-1	1/6/2019	6:56:02 AM	FWD-13	EBJ	TV	OCO	-	1,048,377
P00501758-1	1/6/2019	6:57:19 AM	MCA-13	ECC	TV	OSV	1	2,718
P00501759-1	1/6/2019	6:58:10 AM	SBE-26	EBE	TV	OCO	18	43,292
P00501767-1	1/6/2019	6:59:17 AM	FWD-16	EBJ	TV	OCO	1,805	2,552,992
P00501785-1	1/6/2019	7:00:04 AM	FWD-15	EBJ	TV	OCO	-	1,355,125
P00502369-1	1/6/2019	7:00:22 AM	EDG-16	ECA	TV	OFU	9	5,316
P00503271-1	1/6/2019	7:00:25 AM	VAS-13	EBL	TV	OCO	35	6,321
P00502900-1	1/6/2019	7:01:13 AM	FRA-12	ECD	TV	OPO	17	14,168
P00501777-1	1/6/2019	7:01:14 AM	FRG-24	ECC	TV	OTF	2	4,490
P00503745-1	1/6/2019	7:04:37 AM	BDI-15	EBI	TV	OCO	115	204,138
P00501812-1	1/6/2019	7:06:20 AM	ELD-23	ECC	TV	OSV	1	1,472
P00501818-1	1/6/2019	7:06:58 AM	PLG-15	ECC	EF	OTF	8	14,507
P00504368-1	1/6/2019	7:08:18 AM	BDI-15	EBI	TV	OCO	143	179,770
P00503234-1	1/6/2019	7:09:35 AM	MED-37	EBE	TV	OCO	4	2,224
P00501804-1	1/6/2019	7:14:30 AM	MHT-13	EBJ	TV	OCO	1,360	382,645
P00501436-1	1/6/2019	7:14:39 AM	SPG-13	ECC	TV	OTF	2	1,197
P00503832-1	1/6/2019	7:16:10 AM	COT-15	EBD	EF	OCO	21	94,021
P00501842-1	1/6/2019	7:18:12 AM	KNT-23	EBJ	TV	OSV	3	10,030
P00501844-1	1/6/2019	7:19:47 AM	MHT-15	EBJ	TV	OCO	1,254	684,905
P00501331-1	1/6/2019	7:19:52 AM	LMC-25	EBE	TV	OCO	712	543,428
P00501857-1	1/6/2019	7:22:53 AM	LMC-25	EBE	TV	OCO	3	500
P00501885-1	1/6/2019	7:28:03 AM	HWD-25	EBD	TV	OFU	6	19,452
P00501870-1	1/6/2019	7:29:36 AM	LYO-11	EBJ	TV	OCO	1	697
P00501887-1	1/6/2019	7:30:14 AM	ROC-16	ECC	TV	OSV	1	1,951

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00501891-1	1/6/2019	7:32:34 AM	MIR-16	EBF	TV	OCO	31	115,902
P00503935-1	1/6/2019	7:33:37 AM	BDI-13	EBI	TV	OCO	48	69,910
P00501301-1	1/6/2019	7:34:06 AM	LYO-11	EBJ	TV	OPO	1,658	855,438
P00501907-1	1/6/2019	7:34:37 AM	CAP-13	ECC	TV	OTR	3	9,719
P00502945-1	1/6/2019	7:37:51 AM	LTA-18	ECA	EF	OCO	9	29,355
P00505209-1	1/6/2019	7:40:08 AM	PEA-15	EBJ	TV	OCO	2	7,310
P00501931-1	1/6/2019	7:42:25 AM	PIN-27	EBD	TV	OCO	193	98,254
P00501933-1	1/6/2019	7:43:00 AM	ELD-25	ECC	TV	OCO	21	5,191
P00501938-1	1/6/2019	7:43:49 AM	SBE-26	EBE	TV	OCO	2	3,200
P00501940-1	1/6/2019	7:43:55 AM	SWE-13	EBJ	TV	OSV	1	2,038
P00501983-1	1/6/2019	7:47:02 AM	ELL-01	EBJ	TV	OCO	-	418,180
P00501949-1	1/6/2019	7:47:31 AM	CLA-13	EBI	TV	OSV	1	1,690
P00501048-1	1/6/2019	7:47:46 AM	MER-15	EBE	TV	OCO	105	165,318
P00501048-4	1/6/2019	7:47:46 AM	MER-15	EBE			105	165,318
P00501953-1	1/6/2019	7:48:03 AM	MAP-15	EBE	TV	OCO	-	1,517
P00501958-1	1/6/2019	7:48:37 AM	FLC-15	EBJ	UN	OCO	75	151,491
P00502953-1	1/6/2019	7:53:41 AM	LYO-12	EBJ	TV	OCO	3	3,773
P00501990-1	1/6/2019	7:54:51 AM	LMC-25	EBE	TV	OCO	6	13,486
P00502753-1	1/6/2019	7:56:20 AM	MHT-13	EBJ	TV	OCO	34	68,274
P00502002-1	1/6/2019	7:56:56 AM	MIR-16	EBF	TV	OFU	5	8,935
P00502014-1	1/6/2019	7:59:56 AM	NNO-15	EBJ	TV	OCO	4	8,526
P00502044-1	1/6/2019	8:05:02 AM	RAI-11	ECC	TV	OCO	69	39,697
P00503835-1	1/6/2019	8:08:15 AM	SME-12	EBE	TV	OCO	2	4,570
P00502051-1	1/6/2019	8:09:51 AM	PAN-16	EBJ	TV	OSV	4	8,141
P00502075-1	1/6/2019	8:15:34 AM	HAN-13	EAA	BA	OFU	2	225
P00502082-1	1/6/2019	8:17:40 AM	LMD-15	EBJ	TV	OSV	4	11,445
P00502090-1	1/6/2019	8:19:31 AM	FRA-12	ECD	TV	OCO	6	4,711
P00502110-1	1/6/2019	8:25:00 AM	RAI-12	ECC	TV	OTF	2	3,882
P00502649-1	1/6/2019	8:26:20 AM	BLU-13	ECC	EF	OTR	525	858,505
P00505139-1	1/6/2019	8:27:00 AM	WAB-13	EBI	TV	OCO	681	1,025,995
P00502114-1	1/6/2019	8:27:09 AM	LTA-18	ECA	TV	OCO	2	6,716
P00505140-1	1/6/2019	8:28:00 AM	WAB-12	EBI	TV	OCO	230	340,576
P00505142-1	1/6/2019	8:32:00 AM	OSC-22	EBI	TV	OCO	1,292	1,728,157
P00505144-1	1/6/2019	8:32:00 AM	OSC-25	EBI	TV	OCO	975	1,431,213
P00502140-1	1/6/2019	8:32:03 AM	ELL-12	EBJ	EF	OCO	9,182	483,321
P00502212-1	1/6/2019	8:32:15 AM	MIR-16	EBF	TV	OCO	13	57,658
P00502143-1	1/6/2019	8:33:45 AM	STA-16	EBJ	TV	OCO	15	21,908
P00502176-1	1/6/2019	8:36:33 AM	MAX-13	EAD	OD	OTF	16	478
P00503106-1	1/6/2019	8:36:50 AM	UHL-25	EBD	TV	OSW	17	26,593
P00502156-1	1/6/2019	8:37:06 AM	MIL-16	ECE	TV	OCO	3	675

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00503843-1	1/6/2019	8:38:57 AM	BDI-13	EBI	TV	OCO	3	3,099
P00502185-1	1/6/2019	8:44:23 AM	HWD-25	EBD	TV	OCO	8	27,312
P00502187-1	1/6/2019	8:44:58 AM	HKX-13	EAC	OD	OCO	4	485
P00505379-1	1/6/2019	8:50:00 AM	NRU-25	EBE	TV	OFU	49	78,294
P00502208-1	1/6/2019	8:51:12 AM	CLV-16	EAD	TV	OCO	44	18,418
P00502223-1	1/6/2019	8:54:48 AM	ROS-15	EBD	TV	OSV	1	2,895
P00502229-1	1/6/2019	8:56:38 AM	ORC-16	EBJ	TV	OCO	5	21,834
P00502234-1	1/6/2019	8:58:46 AM	NBE-13	EBF	TV	OCO	24	12,752
P00502258-1	1/6/2019	9:02:43 AM	FCR-14	EBI	TV	OCO	2	6,545
P00502261-1	1/6/2019	9:03:32 AM	FCR-14	EBI	TV	OCO	4	13,455
P00502248-1	1/6/2019	9:06:33 AM	FRG-24	ECC	TV	OCO	41	137,206
P00504284-1	1/6/2019	9:07:32 AM	GOO-21	EBE	TV	OCO	55	198,692
P00502293-1	1/6/2019	9:10:21 AM	LAT-15	EBJ	TV	OSV	11	22,916
P00500975-1	1/6/2019	9:12:00 AM	MWD-16	EBE	TV	OSV	1	2,763
P00502299-1	1/6/2019	9:12:28 AM	PIN-23	EBD	TV	OCO	123	199,063
P00502311-1	1/6/2019	9:14:48 AM	STA-16	EBJ	TV	OCO	3	11,587
P00503133-1	1/6/2019	9:16:00 AM	TOL-15	EBD	TV	OCO	5	4,404
P00502340-1	1/6/2019	9:22:35 AM	LMD-13	EBJ	TV	OCO	1	532
P00502349-1	1/6/2019	9:24:19 AM	ELD-23	ECC	TV	OCO	5	14,416
P00502351-1	1/6/2019	9:24:37 AM	ROC-15	ECC	TV	OTF	1	2,314
P00503487-1	1/6/2019	9:28:34 AM	GRI-16	ECC	TV	OCO	3	7,528
P00503695-1	1/6/2019	9:29:07 AM	PLG-13	ECC	TV	OCO	4	12,764
P00504014-1	1/6/2019	9:29:21 AM	BDI-15	EBI	TV	OCO	13	31,459
P00504101-1	1/6/2019	9:29:55 AM	GRI-16	ECC	TV	OCO	5	9,043
P00504495-1	1/6/2019	9:30:26 AM	HOB-16	EBI	TV	OPO	-	3,058
P00502399-1	1/6/2019	9:40:07 AM	ING-15	EBD	TV	OTF	2	3,138
P00502401-1	1/6/2019	9:42:06 AM	HKX-13	EAC	EF	OTF	6	2,805
P00502406-1	1/6/2019	9:43:17 AM	AIR-23	ECC	TV	OTR	1	3,080
P00502410-1	1/6/2019	9:45:10 AM	ROC-16	ECC	TV	OFU	12	7,309
P00502415-1	1/6/2019	9:45:46 AM	DES-15	EBJ	TV	OCO	4	14,483
P00502435-1	1/6/2019	9:50:00 AM	TOL-16	EBD	TV	OTF	3	4,132
P00502445-1	1/6/2019	9:51:10 AM	RAI-14	ECC	TV	OCO	3	9,027
P00502487-1	1/6/2019	9:59:33 AM	SKY-25	EBD	TV	OCO	1	4,447
P00502489-1	1/6/2019	10:00:30 AM	ELL-13	EBJ	EF	UPS	188	912,311
P00502490-1	1/6/2019	10:01:10 AM	ENU-17	EBI	TV	OCO	31	39,077
P00502493-1	1/6/2019	10:01:29 AM	LLT-17	EBD	TV	OCO	1	2,817
P00502496-1	1/6/2019	10:02:17 AM	EGT-12	EBE	TV	OCO	3	13,578
P00503771-1	1/6/2019	10:03:01 AM	BUC-26	ECA	TV	OCO	14	27,112
P00502525-1	1/6/2019	10:10:29 AM	LMC-25	EBE	TV	OCO	3	5,678
P00501798-1	1/6/2019	10:14:38 AM	LON-25	ECC	TV	OCO	1,088	437,100

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00502545-1	1/6/2019	10:18:00 AM	LAT-14	EBJ	TV	OCO	4	12,023
P00502557-1	1/6/2019	10:18:12 AM	ENU-17	EBI	TV	OCO	126	263,343
P00502562-1	1/6/2019	10:21:22 AM	LEA-16	EBJ	TV	OCO	1	3,540
P00502586-1	1/6/2019	10:21:30 AM	ELL-16	EBJ	TV	OCO	23	52,974
P00503556-1	1/6/2019	10:23:22 AM	MKI-14	ECC	TV	OTR	60	23,804
P00502584-1	1/6/2019	10:25:37 AM	MHT-13	EBJ	TV	OCO	4	13,318
P00505464-1	1/6/2019	10:26:36 AM	BON-16	ECA	TV	OCO	4	12,023
P00502589-1	1/6/2019	10:26:39 AM	ELL-16	EBJ	TV	OCO	18	80,573
P00501881-1	1/6/2019	10:29:09 AM	SBE-26	EBE	EF	OSW	1,130	58,392
P00502739-1	1/6/2019	10:30:02 AM	BON-17	ECA	TV	OCO	1,116	73,563
P00502614-1	1/6/2019	10:30:27 AM	ENU-17	EBI	TV	OCO	21	35,624
P00502618-1	1/6/2019	10:31:20 AM	BEL-16	EBJ	TV	OCO	96	174,894
P00502619-1	1/6/2019	10:31:50 AM	GLC-11	EBJ	TV	OFU	5	14,840
P00502626-1	1/6/2019	10:33:25 AM	EVE-23	EBD	TV	OTF	5	5,278
P00502634-1	1/6/2019	10:35:56 AM	PHA-16	EBE	TV	OCO	57	105,896
P00502654-1	1/6/2019	10:42:40 AM	STA-16	EBJ	TV	OSV	6	8,574
P00501898-1	1/6/2019	10:43:28 AM	VAS-23	EBL	TV	OCO	41	65,450
P00502657-1	1/6/2019	10:43:53 AM	TOL-15	EBD	TV	OTR	1	4,444
P00502665-1	1/6/2019	10:45:33 AM	STW-16	ECA	TV	OSV	1	2,883
P00502676-1	1/6/2019	10:47:54 AM	PRE-14	EBE	ND	OSV	3	3,544
P00502612-1	1/6/2019	10:48:53 AM	BON-17	ECA	TV	OCO	4	12,189
P00502742-1	1/6/2019	11:02:37 AM	PLU-24	ECC	TV	OTR	8	14,841
P00502776-1	1/6/2019	11:06:50 AM	COT-13	EBD	TV	OCO	16	29,681
P00503659-1	1/6/2019	11:08:36 AM	FRG-25	ECC	TV	OPO	1	3,018
P00502790-1	1/6/2019	11:10:32 AM	MAP-16	EBE	TV	OTF	1	2,305
P00502870-1	1/6/2019	11:11:29 AM	FAL-16	EBF	TV	OCO	16	45,725
P00502806-1	1/6/2019	11:13:26 AM	FRA-16	ECD	TV	OTF	1	292
P00502810-1	1/6/2019	11:14:28 AM	HAZ-16	EBE	TV	OTF	2	2,555
P00503078-1	1/6/2019	11:23:57 AM	VAS-23	EBL	TV	OCO	5	7,618
P00502887-1	1/6/2019	11:31:32 AM	OSC-26	EBI	TV	OFU	46	70,412
P00503549-1	1/6/2019	11:36:49 AM	FRG-25	ECC	TV	OCO	7	19,976
P00502920-1	1/6/2019	11:38:58 AM	ROC-17	ECC	TV	OTF	2	4,563
P00502927-1	1/6/2019	11:40:08 AM	FRA-12	ECD	TV	OTR	2	1,030
P00506539-1	1/6/2019	11:47:37 AM	LAT-14	EBJ	TV	OCO	7	60,685
P00503492-1	1/6/2019	11:56:07 AM	BUC-26	ECA	TV	OCO	187	147,556
P00503014-1	1/6/2019	11:58:15 AM	MSI-24	EBF	UN	OCO	6	18,049
P00505124-1	1/6/2019	11:59:07 AM	DUV-15	EBD	TV	OCO	1	2,779
P00503855-1	1/6/2019	11:59:38 AM	VAS-23	EBL	TV	OCO	42	11,149
P00503096-1	1/6/2019	11:59:46 AM	MIR-17	EBF	TV	OCO	40	60,409
P00503032-1	1/6/2019	12:01:06 PM	SAH-16	EBD	TV	OSV	1	2,081

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00503033-1	1/6/2019	12:01:09 PM	GRI-13	ECC	TV	OCO	85	61,241
P00503052-1	1/6/2019	12:05:41 PM	NRU-23	EBE	EF	USV	1	3,050
P00503053-1	1/6/2019	12:06:08 PM	BON-17	ECA	TV	OJU	3	8,982
P00503055-1	1/6/2019	12:08:41 PM	SOM-16	EBE	UN	OCO	6	11,776
P00503065-1	1/6/2019	12:11:06 PM	BON-17	ECA	TV	OCO	29	79,818
P00503069-1	1/6/2019	12:12:17 PM	LON-25	ECC	TV	OHR	320	43,440
P00503085-1	1/6/2019	12:15:15 PM	CHA-15	ECC	TV	OSV	1	2,130
P00503089-1	1/6/2019	12:17:00 PM	VAS-23	EBL	TV	OCO	4	5,724
P00503105-1	1/6/2019	12:21:09 PM	MHT-13	EBJ	TV	OSV	5	17,989
P00503109-1	1/6/2019	12:23:25 PM	WAU-22	EBJ	TV	OSV	5	17,545
P00504802-1	1/6/2019	12:25:47 PM	COT-16	EBD	TV	OFU	4	5,512
P00504735-1	1/6/2019	12:27:52 PM	MIR-13	EBF	TV	OCO	332	178,284
P00503102-1	1/6/2019	12:35:23 PM	WIS-14	EBF	TV	OCO	192	133,711
P00503530-1	1/6/2019	12:48:43 PM	MAP-15	EBE	EF	OCO	60	58,053
P00503222-1	1/6/2019	12:52:04 PM	FCH-24	ECA	TV	OSV	1	2,075
P00503224-1	1/6/2019	12:52:47 PM	EGT-28	EBE	TV	OSV	3	5,282
P00503229-1	1/6/2019	12:53:47 PM	EGT-25	EBE	TV	OCO	2	5,035
P00504351-1	1/6/2019	1:04:01 PM	NBE-15	EBF	TV	OCO	6	19,863
P00503262-1	1/6/2019	1:05:46 PM	PIN-27	EBD	TV	OCO	14	23,113
P00503285-1	1/6/2019	1:14:58 PM	BON-17	ECA	TV	OCO	5	14,117
P00503295-1	1/6/2019	1:18:31 PM	PHA-17	EBE	TV	OCO	97	84,329
P00504534-1	1/6/2019	1:20:31 PM	LMC-27	EBE	TV	OCO	70	111,022
P00503308-1	1/6/2019	1:20:41 PM	GAR-16	ECA	EF	SCB	3,766	1,299,649
P00503310-1	1/6/2019	1:22:07 PM	PLG-13	ECC	TV	OCO	1	3,174
P00501705-1	1/6/2019	1:25:19 PM	KNM-27	EBD	TV	OCO	3	7,962
P00504733-1	1/6/2019	1:28:52 PM	MIR-13	EBF	TV	OCO	111	56,492
P00503296-1	1/6/2019	1:30:32 PM	MIR-13	EBF	ND	OCO	11	14,659
P00504294-1	1/6/2019	1:31:19 PM	LMC-27	EBE	TV	OCO	95	119,227
P00503344-1	1/6/2019	1:31:39 PM	FCH-24	ECA	TV	OTF	1	1,795
P00504344-1	1/6/2019	1:32:34 PM	LMC-27	EBE	TV	OCO	99	158,768
P00503358-1	1/6/2019	1:33:23 PM	YEL-25	ECC	TV	OPI	2	3,145
P00503576-1	1/6/2019	1:34:46 PM	YEL-25	ECC	TV	OFU	27	11,940
P00503376-1	1/6/2019	1:37:33 PM	WOO-23	ECA	TV	OSV	1	4,527
P00503386-1	1/6/2019	1:38:53 PM	PLG-13	ECC	TV	OCO	119	389,519
P00504441-1	1/6/2019	1:41:58 PM	LMC-27	EBE	TV	OCO	153	314,191
P00503410-1	1/6/2019	1:43:23 PM	COL-26	EBE	TV	OCO	8	20,833
P00503457-1	1/6/2019	1:49:06 PM	FAL-15	EBF	TV	OCO	254	329,447
P00503431-1	1/6/2019	1:49:13 PM	SEQ-13	EBJ	TV	OCO	360	153,266
P00503454-1	1/6/2019	1:52:30 PM	BON-16	ECA	TV	OSV	7	11,971
P00503471-1	1/6/2019	1:56:28 PM	GLC-15	EBJ	TV	OFU	1	2,124

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00503473-1	1/6/2019	1:56:42 PM	OVE-12	EBE	TV	OCO	4	12,243
P00503478-1	1/6/2019	1:58:04 PM	FWD-17	EBJ	TV	OCO	100	123,324
P00503484-1	1/6/2019	2:00:01 PM	FAB-17	EAD	TV	OTF	1	52
P00504069-1	1/6/2019	2:05:20 PM	YEL-27	ECC	TV	OPO	162	250,514
P00503505-1	1/6/2019	2:09:29 PM	SHD-16	EBI	EF	UPC	-	29,362
P00503515-1	1/6/2019	2:13:30 PM	SHD-16	EBI	TV	OCO	-	16
P00504131-1	1/6/2019	2:13:31 PM	PAN-14	EBJ	TV	UTR	10	50,231
P00504191-1	1/6/2019	2:14:08 PM	PIK-21	EBF	TV	OCO	639	403,369
P00503518-1	1/6/2019	2:15:03 PM	YEL-26	ECC	TV	OCO	3	5,148
P00503568-1	1/6/2019	2:33:27 PM	BDI-13	EBI	TV	OCO	2	5,679
P00503572-1	1/6/2019	2:34:30 PM	KAP-16	ECA	TV	OTR	158	62,463
P00503605-1	1/6/2019	2:44:16 PM	SHD-16	EBI	TV	OCO	1,257	29,155
P00503607-1	1/6/2019	2:46:20 PM	STW-13	ECA	TV	OCO	51	93,239
P00504734-1	1/6/2019	2:51:26 PM	MIR-13	EBF	TV	OCO	1	574
P00504228-1	1/6/2019	2:52:26 PM	LMC-27	EBE	TV	OCO	22	23,903
P00503624-1	1/6/2019	2:52:30 PM	RDO-13	EBJ	TV	OCO	82	261,594
P00503626-1	1/6/2019	2:52:49 PM	BUC-16	ECA	TV	OCO	459	24,595
P00503627-1	1/6/2019	2:52:51 PM	RAI-14	ECC	TV	OCO	3	5,400
P00504871-1	1/6/2019	3:00:08 PM	BUC-26	ECA	TV	OCO	-	35,583
P00503652-1	1/6/2019	3:01:30 PM	VAS-23	EBL	TV	OCO	8	462
P00503660-1	1/6/2019	3:02:40 PM	SWE-27	EBJ	TV	OSV	6	14,769
P00503672-1	1/6/2019	3:04:47 PM	PIN-26	EBD	TV	OFU	153	247,794
P00503692-1	1/6/2019	3:09:18 PM	RAI-12	ECC	TV	OCO	8	9,847
P00503730-1	1/6/2019	3:21:38 PM	DUV-13	EBD	TV	OCO	41	77,042
P00503760-1	1/6/2019	3:27:10 PM	HOB-15	EBI	TV	OCO	1	3,016
P00503762-1	1/6/2019	3:28:18 PM	BUC-16	ECA	TV	OCO	9	15,233
P00503780-1	1/6/2019	3:34:30 PM	DUV-13	EBD	TV	OSV	1	1,257
P00503798-1	1/6/2019	3:42:12 PM	KAP-16	ECA	TV	OPO	7	21,425
P00503800-1	1/6/2019	3:42:20 PM	COT-13	EBD	TV	OCO	26	73,389
P00503558-1	1/6/2019	3:45:25 PM	BHS-14	EAA	EF	UPT	1	23
P00503813-1	1/6/2019	3:45:38 PM	DUV-13	EBD	UN	OCO	3	4,042
P00504478-1	1/6/2019	3:46:40 PM	ELD-25	ECC	TV	OCO	3	5,716
P00503879-1	1/6/2019	3:50:45 PM	SOO-23	EBI	TV	OCO	26	22,829
P00502201-1	1/6/2019	3:51:53 PM	LMC-23	EBE	TV	OCO	75	331,664
P00503831-1	1/6/2019	3:52:43 PM	PIP-26	EBI	EF	OFC	65	144,356
P00503862-1	1/6/2019	3:54:59 PM	BUC-16	ECA	TV	OCO	126	263,443
P00503852-1	1/6/2019	3:59:07 PM	PIN-26	EBD	TV	OCO	3	9,699
P00503863-1	1/6/2019	4:03:29 PM	BDI-15	EBI	TV	OCO	2	6,043
P00503711-1	1/6/2019	4:05:51 PM	DGR-17	ECA	TV	OCO	21	20,931
P00504995-1	1/6/2019	4:07:10 PM	BDI-13	EBI	TV	OCO	890	367,733

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00503558-1	1/6/2019	4:09:51 PM	BHS-14	EAA	EF	UPT	1	153
P00503890-1	1/6/2019	4:11:52 PM	SHD-16	EBI	EF	UPC	76	204,095
P00503894-1	1/6/2019	4:12:42 PM	SPA-16	ECA	TV	OFU	7	7,418
P00503906-1	1/6/2019	4:14:39 PM	VAS-22	EBL	TV	OCO	1	1,315
P00503913-1	1/6/2019	4:16:42 PM	LTA-18	ECA	TV	OCO	2	5,742
P00503915-1	1/6/2019	4:16:47 PM	STA-16	EBJ	TV	OTF	1	3,477
P00503917-1	1/6/2019	4:17:45 PM	GLC-12	EBJ	EF	UPC	132	569,800
P00503933-1	1/6/2019	4:19:28 PM	PIN-25	EBD	TV	OCO	2,160	32,190
P00503987-1	1/6/2019	4:32:37 PM	MAP-15	EBE	TV	OCO	72	1,547
P00504006-1	1/6/2019	4:35:34 PM	SHD-16	EBI	TV	OCO	1	2,316
P00488467-1	1/6/2019	4:37:30 PM	LWS-12	EBJ	TV	OCR	868	131,857
P00504023-1	1/6/2019	4:38:59 PM	LMC-23	EBE	TV	OCO	131	45,186
P00504021-1	1/6/2019	4:39:02 PM	LMC-23	EBE	TV	OCO	98	145,118
P00504035-1	1/6/2019	4:44:03 PM	COT-15	EBD	TV	OFU	2	7,958
P00504038-1	1/6/2019	4:45:03 PM	LWS-14	EBJ	TV	OCO	2	2,769
P00498370-1	1/6/2019	4:47:20 PM	SME-12	EBE	TV	OCO	64	59,158
P00504052-1	1/6/2019	4:47:57 PM	SEQ-22	EBJ	UN	OSV	3	11,698
P00504061-1	1/6/2019	4:50:02 PM	PIP-22	EBI	TV	OCO	-	8,018
P00501950-1	1/6/2019	4:55:18 PM	LMC-27	EBE	TV	OCO	19	9,887
P00504083-1	1/6/2019	4:55:51 PM	FCH-24	ECA	UN	OFU	12	18,184
P00503987-1	1/6/2019	4:56:00 PM	MAP-15	EBE	TV	OCO	3	101
P00504097-1	1/6/2019	4:59:18 PM	BUC-26	ECA	TV	OSV	1	2,819
P00505527-1	1/6/2019	5:02:02 PM	PIP-22	EBI	TV	OCO	290	298,338
P00504104-1	1/6/2019	5:02:24 PM	PIP-22	EBI	EF	OCO	101	101,470
P00504112-1	1/6/2019	5:02:37 PM	PIP-22	EBI	TV	OCO	40	88,209
P00504120-1	1/6/2019	5:03:43 PM	PIP-22	EBI	TV	OCO	29	61,464
P00504153-1	1/6/2019	5:09:30 PM	PIP-22	EBI	TV	OFU	29	70,682
P00504162-1	1/6/2019	5:13:37 PM	CUM-13	EBI	TV	OCO	2	4,505
P00504163-1	1/6/2019	5:13:38 PM	CUM-13	EBI	TV	OCO	16	54,901
P00501402-1	1/6/2019	5:21:11 PM	TLN-0173	EBJ	TV	OCO	3,857	18,388
P00504217-1	1/6/2019	5:26:23 PM	SBE-26	EBE	TV	OCO	675	143,995
P00504221-1	1/6/2019	5:27:36 PM	KNM-27	EBD	TV	OTF	3	7,244
P00504252-1	1/6/2019	5:32:51 PM	SPG-13	ECC	TV	OCO	49	64,893
P00504257-1	1/6/2019	5:38:21 PM	BUC-26	ECA	TV	OCO	3	7,846
P00504263-1	1/6/2019	5:40:34 PM	RAI-11	ECC	TV	OCO	69	60,943
P00504270-1	1/6/2019	5:43:20 PM	LMC-23	EBE	UN	OSV	1	1,379
P00504299-1	1/6/2019	5:52:04 PM	ELD-25	ECC	TV	OCO	1	841
P00504310-1	1/6/2019	5:55:11 PM	SHD-16	EBI	TV	OCO	1	3,077
P00504314-1	1/6/2019	5:57:07 PM	SEQ-13	EBJ	TV	OCO	2	93
P00504320-1	1/6/2019	5:58:00 PM	PIP-22	EBI	TV	OCO	2	4,380

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00504326-1	1/6/2019	6:01:14 PM	LWS-12	EBJ	TV	OCO	2	8,373
P00504349-1	1/6/2019	6:10:45 PM	NNO-12	EBJ	TV	OCO	114	61,463
P00504350-1	1/6/2019	6:10:51 PM	KAP-15	ECA	TV	OCO	14	25,044
P00504356-1	1/6/2019	6:11:51 PM	PLG-13	ECC	TV	OCO	2	2,372
P00504366-1	1/6/2019	6:14:29 PM	PIK-21	EBF	TV	OSV	1	1,402
P00504370-1	1/6/2019	6:15:30 PM	BDI-15	EBI	TV	OCO	66	19,907
P00504383-1	1/6/2019	6:15:58 PM	MST-26	EBJ	TV	OCO	1,362	1,293,945
P00504380-1	1/6/2019	6:17:05 PM	PIN-27	EBD	TV	OCO	69	12,828
P00504386-1	1/6/2019	6:17:37 PM	DUV-12	EBD	TV	OCO	-	17,197
P00504409-1	1/6/2019	6:24:35 PM	KAP-15	ECA	TV	OCO	33	34,490
P00504422-1	1/6/2019	6:28:44 PM	CUM-15	EBI	UN	OCO	24	73,602
P00504431-1	1/6/2019	6:32:16 PM	ENU-17	EBI	EF	UPC	1	5,163
P00504432-1	1/6/2019	6:32:17 PM	PIN-27	EBD	TV	OFU	36	46,022
P00504435-1	1/6/2019	6:33:43 PM	NBE-13	EBF	TV	OCO	3	7,913
P00504908-1	1/6/2019	6:43:34 PM	BDI-15	EBI	TV	OCO	56	11,089
P00505006-1	1/6/2019	6:44:09 PM	MAP-15	EBE	TV	OCO	3	11,930
P00501307-1	1/6/2019	6:50:45 PM	HOB-17	EBI	TV	OCO	614	395,318
P00501792-1	1/6/2019	6:54:00 PM	KWH-23	EBE	TV	OCO	519	379,086
P00504488-1	1/6/2019	6:55:33 PM	KWH-23	EBE	TV	OCO	81	24,381
P00506283-1	1/6/2019	7:09:26 PM	TOL-15	EBD	UN	OHR	2,155	2,886,875
P00504540-1	1/6/2019	7:16:00 PM	BUC-26	ECA	TV	OTR	1	295
P00504599-1	1/6/2019	7:16:09 PM	DUV-15	EBD	TV	OCO	24	29,824
P00504543-1	1/6/2019	7:16:41 PM	ING-17	EBD	TV	OTF	14	12,809
P00504545-1	1/6/2019	7:17:00 PM	DUV-15	EBD	TV	OFU	41	50,919
P00504904-1	1/6/2019	7:18:25 PM	DUV-12	EBD	TV	OCO	200	241,662
P00496684-1	1/6/2019	7:21:00 PM	PAT-17	ECC	TV	OCO	2	3,324
P00504601-1	1/6/2019	7:21:13 PM	DUV-15	EBD	TV	OCO	24	30,985
P00503888-2	1/6/2019	7:25:04 PM	LON-25	ECC	TV	OCO	-	1,794
P00504577-1	1/6/2019	7:27:38 PM	BLU-16	ECC	TV	OFU	4	3,811
P00504581-1	1/6/2019	7:29:32 PM	DUV-15	EBD	TV	OCO	3	7,372
P00505117-1	1/6/2019	7:30:21 PM	WIS-14	EBF	TV	OCO	762	271,895
P00504597-1	1/6/2019	7:37:27 PM	FAL-13	EBF	TV	OCO	1	1,481
P00504538-1	1/6/2019	7:37:46 PM	DUV-15	EBD	TV	OCO	48	10,290
P00504618-1	1/6/2019	7:45:02 PM	FAL-13	EBF	TV	OCO	17	22,347
P00504631-1	1/6/2019	7:51:40 PM	SEQ-13	EBJ	EF	OMP	1	2,258
P00504650-1	1/6/2019	8:02:54 PM	MAP-15	EBE	TV	OCO	10	39,938
P00504657-1	1/6/2019	8:05:34 PM	LYO-12	EBJ	TV	OCO	3	1,870
P00504659-1	1/6/2019	8:05:44 PM	ASB-13	EBJ	TV	OSV	12	25,860
P00504663-1	1/6/2019	8:07:04 PM	LWS-16	EBJ	TV	OCO	40	108,882
P00504667-1	1/6/2019	8:08:39 PM	KAP-15	ECA	TV	OCO	21	51,535

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00505930-1	1/6/2019	8:09:07 PM	LWS-15	EBJ	TV	OCO	127	25,425
P00505927-1	1/6/2019	8:11:37 PM	LWS-15	EBJ	TV	OCO	25	37,158
P00504686-1	1/6/2019	8:14:08 PM	LWS-16	EBJ	TV	OCO	113	81,504
P00504707-1	1/6/2019	8:20:00 PM	LWS-16	EBJ	TV	OCO	1	2,471
P00504712-1	1/6/2019	8:21:40 PM	MWD-13	EBE	TV	OCO	12	14,090
P00504716-1	1/6/2019	8:25:37 PM	LWS-16	EBJ	TV	OCO	8	22,769
P00504718-1	1/6/2019	8:25:57 PM	WOL-25	ECC	TV	OCO	1	1,314
P00504721-1	1/6/2019	8:27:07 PM	LMC-23	EBE	EF	OTF	27	20,657
P00504726-1	1/6/2019	8:30:15 PM	LMC-25	EBE	TV	OCO	28	21,575
P00504729-1	1/6/2019	8:30:54 PM	RHO-15	ECA	TV	OCO	35	78,721
P00504730-1	1/6/2019	8:30:58 PM	KIN-24	ECE	TV	OFU	1	30
P00504746-1	1/6/2019	8:37:48 PM	PLG-17	ECC	TV	OTR	27	31,112
P00504762-1	1/6/2019	8:42:26 PM	LON-25	ECC	TV	OCO	4	6,235
P00504767-1	1/6/2019	8:43:40 PM	HIG-13	EBE	TV	OSV	4	3,867
P00504796-1	1/6/2019	8:58:20 PM	LYO-12	EBJ	TV	OCO	1	3,778
P00504797-1	1/6/2019	8:58:38 PM	GAR-16	ECA	TV	OCO	1	15,272
P00504799-1	1/6/2019	8:59:35 PM	LLT-16	EBD	TV	OSV	3	3,101
P00504803-1	1/6/2019	9:01:47 PM	YEL-25	ECC	TV	OTF	1	1,119
P00504805-1	1/6/2019	9:02:21 PM	HAZ-16	EBE	UN	OCO	66	44,543
P00504809-1	1/6/2019	9:04:31 PM	GRI-15	ECC	TV	OTF	1	1,047
P00504819-1	1/6/2019	9:08:45 PM	DES-15	EBJ	TV	OCO	2	5,552
P00504831-1	1/6/2019	9:15:00 PM	MAP-15	EBE	TV	OCO	4	6,820
P00501405-1	1/6/2019	9:16:12 PM	NBE-16	EBF	TV	OCO	57	3,047
P00504855-1	1/6/2019	9:25:55 PM	LMC-25	EBE	TV	OSV	2	1,431
P00504858-1	1/6/2019	9:27:05 PM	MHT-15	EBJ	TV	OSV	7	21,355
P00504861-1	1/6/2019	9:31:43 PM	MIR-13	EBF	TV	OJU	51	101,669
P00506086-1	1/6/2019	9:33:05 PM	MIR-15	EBF	TV	OCO	61	84,851
P00504868-1	1/6/2019	9:37:06 PM	BON-17	ECA	TV	OSV	3	7,185
P00505039-1	1/6/2019	9:41:31 PM	YEL-27	ECC	TV	OCO	109	36,753
P00504874-1	1/6/2019	9:41:52 PM	ENU-18	EBI	TV	OSV	5	10,914
P00504897-1	1/6/2019	9:49:55 PM	ROL-13	EBJ	TV	OCO	2,416	1,930,101
P00504912-1	1/6/2019	9:57:23 PM	PLA-21	EBD	TV	OCO	171	322,273
P00504922-1	1/6/2019	10:02:02 PM	ROL-15	EBJ	TV	OCO	180	154,992
P00504935-1	1/6/2019	10:09:33 PM	SHD-17	EBI	TV	OCO	276	165,878
P00504937-1	1/6/2019	10:11:01 PM	SBE-26	EBE	TV	OFU	329	29,460
P00505905-1	1/6/2019	10:13:10 PM	MIR-15	EBF	TV	OCO	21	23,915
P00504939-1	1/6/2019	10:13:48 PM	RHO-13	ECA	TV	OCO	239	267,728
P00504945-1	1/6/2019	10:17:28 PM	ING-15	EBD	TV	OSV	1	2,596
P00505637-1	1/6/2019	10:19:57 PM	WCA-16	EBJ	TV	OCO	20	21,970
P00504952-1	1/6/2019	10:20:22 PM	BIG-13	EAC	TV	OTF	1	124

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00505171-1	1/6/2019	10:28:13 PM	MIR-13	EBF	TV	OCO	33	41,755
P00504958-1	1/6/2019	10:28:57 PM	LYO-12	EBJ	TV	OSV	3	12,246
P00504980-1	1/6/2019	10:42:42 PM	SEQ-13	EBJ	TV	OCO	40	1,325
P00504991-1	1/6/2019	10:43:19 PM	CED-15	ECA	TV	OFU	20	20,714
P00505000-1	1/6/2019	10:47:42 PM	HAW-11	ECC	EF	UPS	894	267,155
P00505016-1	1/6/2019	11:09:49 PM	MIR-15	EBF	TV	OCO	2	7,412
P00506398-1	1/6/2019	11:13:43 PM	RHO-15	ECA	TV	OSV	1	2,466
P00505504-1	1/6/2019	11:13:50 PM	BDI-13	EBI	TV	OCO	14	57,203
P00505022-1	1/6/2019	11:18:04 PM	SHD-17	EBI	TV	OCO	28	21,225
P00505183-1	1/6/2019	11:25:15 PM	MIR-15	EBF	TV	OCO	191	283,485
P00505027-1	1/6/2019	11:31:56 PM	RHO-17	ECA	EF	UFJ	36	83,042
P00505313-1	1/6/2019	11:43:38 PM	BDI-13	EBI	TV	OPO	23	39,904
P00503100-1	1/6/2019	11:59:08 PM	TOL-15	EBD	TV	OCO	51	27,550

Terms, Codes and Definitions Used on Detail Reports

Notification (NUMBER)	A number assigned by SAP, identifying the outage record	
Date (DATE)	The date of the outage	
Time (TIME)	The time of the outage	
Circuit (CKT)	The circuit identifier for the affected circuit	
Area (MPG)	Maintenance Planner Group A code representing the energy, region and service center	
	EAA – Bellingham	EBJ – South King
	EAC – Skagit	EBL – Vashon
	EAD – Whidbey	ECA – Puyallup
	EBD – Redmond	ECC – Olympia
	EBE – Factoria	ECD – Port Orchard
	EBF – Snoqualmie	ECE – Poulsbo
	EBI – Enumclaw	
Cause (CAZ)	Cause of Outage	
	AO – Accident Other	EF – Equipment Failure
	BA – Bird or Animal	EO – Electrical Overload
	CP – Car Pole	FI – Faulty Installation
	CR – Customer Request	TF – Tree Off Right-of-Way
	DU – Dig-up Underground	TO – Tree On Right-of-Way
	TV – Trees/Vegetation	SO – Scheduled Outage
	UN – Unknown	
Equipment (EQT)	Affected by, or involved in the outage	
	OCN – Connector	OSW – Overhead Switch
	OCO – Overhead Conductor	OTF – Overhead Transformer Fuse
	OCR – Crossarm	OTR – Overhead Transformer
	OFC – Overhead Cut-out	OUP – OH to UG Primary
	OFS – Overhead Fire Signal	OUS – OH to UG Secondary Service
	OFU – Fuse Link/OH Line Fuse	SBF – High-side Bank Fuse
	OGS – Span Guy	SCB – Power Circuit Breaker
	OHR – Overhead Recloser	UOT – Underground Outdoor Term
	OIN – Insulator	UPC – Underground Primary Cable
	OJU- Jump Wire	UPT – Padmount Transformer
	OPI – Overhead Pin Insulator	USV – Underground Service
	OPO – Pole	UTC – Underground Terminal Fuse
	OSV – Overhead Service	UTR – Submersible Transformer
	ORE – Regulator	
CUST OUT (CUST.OUT)	Customer Out , The number of customers without power for any given outage record	
CUST MIN (CUST. MIN)	Customer Minutes , The total number of minutes customers were without power for any given record	

Media & Communication Coverage

Powerful wind storm cuts power to hundreds of thousands in Western Washington

POSTED 8:26 AM, JANUARY 6, 2019, BY Q13 NEWS STAFF, *UPDATED AT 01:59PM, JANUARY 6, 2019*

SEATTLE -- Strong wind gusts, approaching 60 mph in some areas, toppled trees and took down power lines on Sunday morning.

In Seattle, more than 50,000 customers were in the dark by 2:30 a.m. according to Seattle City Light.

By afternoon, crews were still working to restore power for roughly 6,000 City Light customers.

Outages ballooned in cities to the south of Seattle, and on the Eastside, where Puget Sound Energy's outage map showed a combined total of nearly 220,000 customers affected early on.

South King County cities like Auburn, Federal Way and Des Moines all reported significant numbers of downed trees and wires, and emergency crews urged drivers to be cautious in the aftermath of the storm.

In Bellevue, downed trees and dangling wires closed a number of streets and transportation crews advised repairs could take several hours.

A similar scene in Pierce County: at the peak of the storm, Tacoma Public Utilities reported 20,000 customers without power after a large tree knocked out a substation in Graham.

By 8 a.m. progress was being made in restoring power for some, but getting the substation fully back online may not happen until Sunday night, according to TPU.

Thousands of outages were also reported in Mason County, Thurston County and Grays Harbor County, but utility officials were reporting significant progress later in the morning.

Widespread outages also caused delays for some travelers at Sea-Tac Airport, after Alaska Airlines lost power in their operations center. The company posted on social media that several flights were impacted Sunday morning.

The National Weather Service says winds peaked in most areas by 4:20 a.m.

Gusts hit 60 mph in South King County and near the coast, according to NWS data.

NWS meteorologists expect the next storm system to arrive Tuesday into Wednesday, bringing rain, breezy periods and snow on the passes .



Next Storm System Arrives Tonight

National Weather Service - Seattle

Issued: 2:43 AM PT Saturday, January 5th, 2019

Next Update: Tomorrow by 7 AM

Point of Contact: NWS Operations (24/7) - 206-526-6095

Minor Impacts Possible

This includes common events that could have minor impacts on commerce. Precautions advised to protect lives and property.

CHANGES SINCE PREVIOUS BRIEFING

- A wind advisory is now in effect for the coast and most of the interior lowlands from late this evening through Sunday morning.
- A winter weather advisory is now in effect for the Cascades of Whatcom and Skagit counties and the Cascades of Pierce and Lewis counties above 2500 feet from late this evening through Sunday morning.


WEATHER IMPACTS

Western Washington	
HIGH Confidence	<ul style="list-style-type: none"> • Skokomish River will remain above flood stage through the weekend.
MODERATE Confidence	<ul style="list-style-type: none"> • There will be a burst of southerly winds tonight that may cause tree damage and local power outages. • Minor travel impacts are possible for Cascades tonight and Sunday morning due to slick, snow-covered roads.

FORECAST DETAILS

Western Washington	
This morning	
<ul style="list-style-type: none"> • A few showers. Most areas will see a break. 	
This afternoon through Sunday	
<ul style="list-style-type: none"> • Next storm system. • South winds will increase rapidly sometime after 10pm through daybreak Sunday. Sustained winds of 20-35 mph are possible with gusts up to 50 mph. • Snow levels 3000-3500 feet this evening will drop to 2000-2500 feet Sunday morning. Accumulations of 2-4 inches are expected for the Cascade passes with 5-10 inches likely for the volcanoes. • Generally light precipitation but enough to keep the Skokomish river above flood stage through at least Sunday. 	
Monday	
<ul style="list-style-type: none"> • A few lingering showers. 	
Tuesday - Wednesday	
<ul style="list-style-type: none"> • Next storm system. • Still uncertainty in strength but looks wet. • Potentially another round of breezy to windy conditions. 	

Jan 6th added a winter weather advisory



Winter Weather Advisory

For the Cascades from King county south & East Puget Sound Lowlands

Impacts:

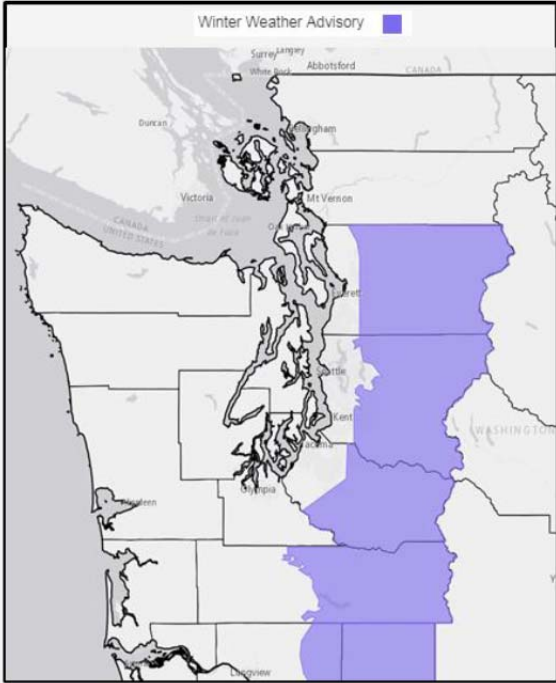
- Snow covered roads
- Accumulating snow on trails
- Reduced visibilities at times

Timing:

- Until 10 AM PST Monday

Snow:

- 1-4 inches above 500 feet
- 5-8 inches at pass level



NWS SEATTLE

Issued: Sunday, January 6th, 2019