KettleRv_S040: Subbasin

Area : 829.37
Latitude : 49.721484830488855
Downstream : Kettle Nr West Br
Name : KettleRv_S040
Element Type : Subbasin
Longitude : 118.71453091936473

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.23
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	16.86
Storage Coefficient	16.86

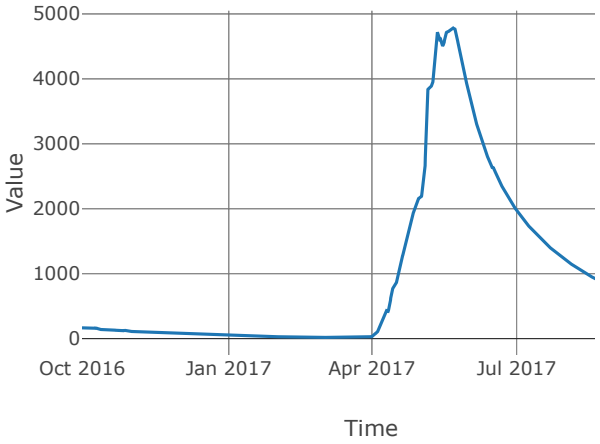
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	337.2
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.2
Layer Number 2	2
Storage Coefficient 2	1686.0
Number Steps 2	1.0

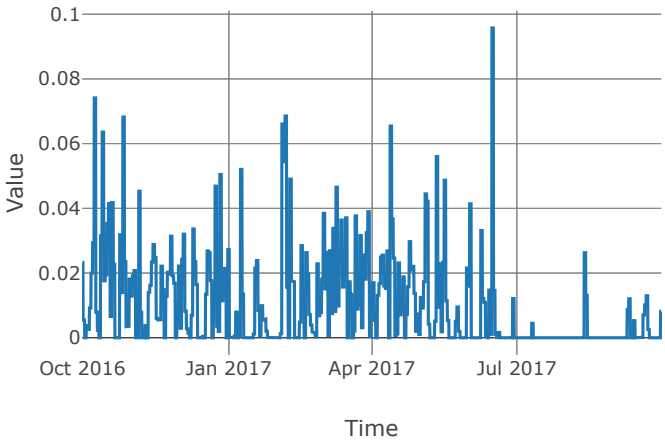
Statistics

Name	Value	Unit
Baseflow Volume	681453.4974927	Ac-ft
Precipitation Volume	1359124.8173426	Ac-ft
Loss Volume	1050739.4991859	Ac-ft
Excess Volume	2422.2720739	Ac-ft

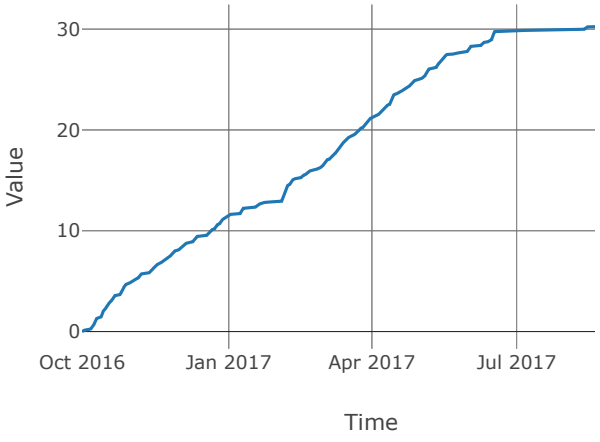
Outflow



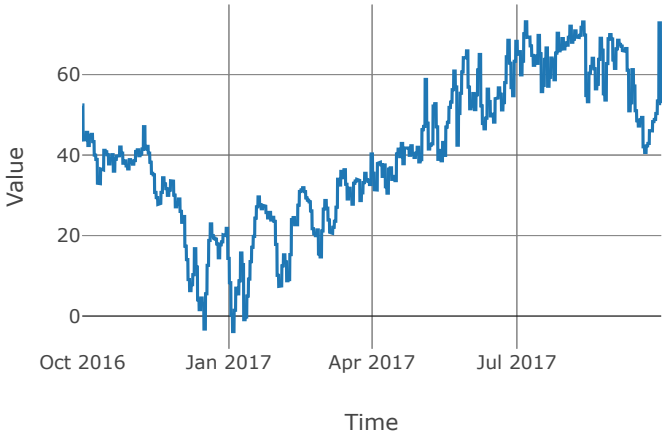
Precipitation



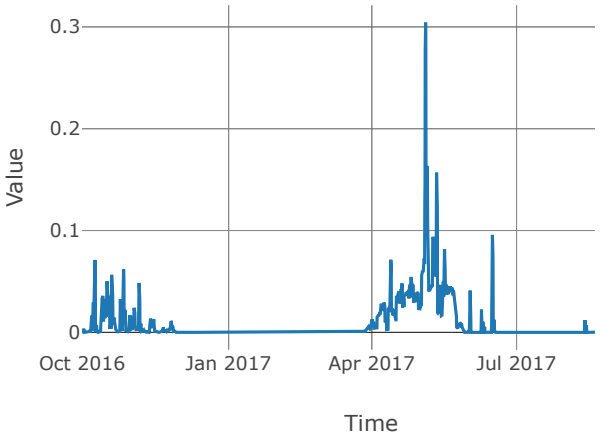
Cumulative Precipitation



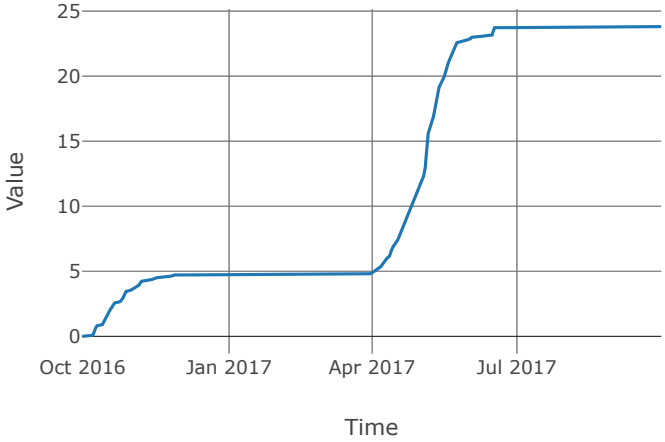
Air Temperature



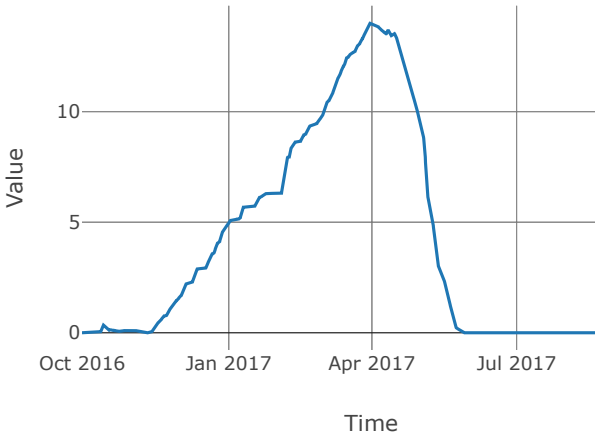
Liquid Water at Soil Surface



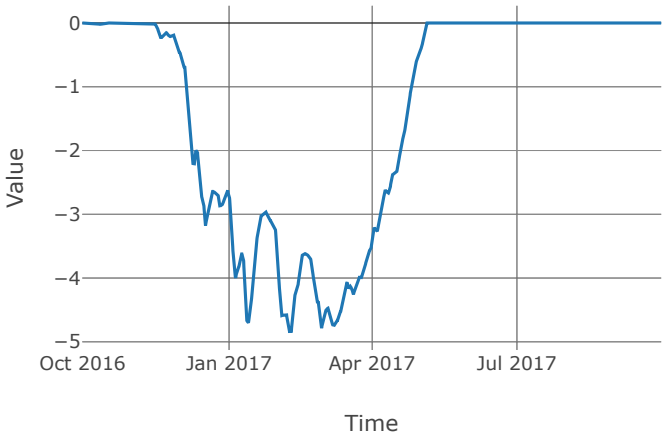
Cumulative LWASS



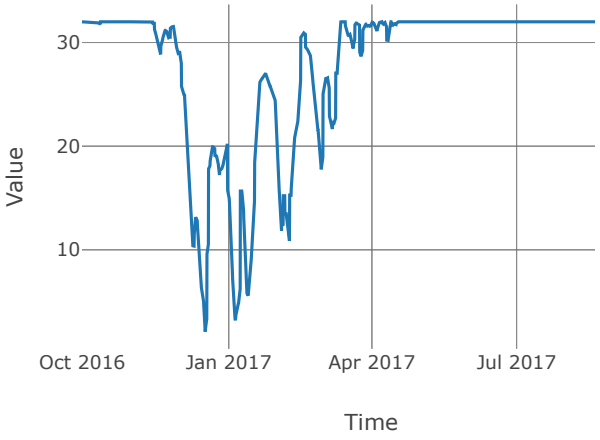
Snow Water Equivalent



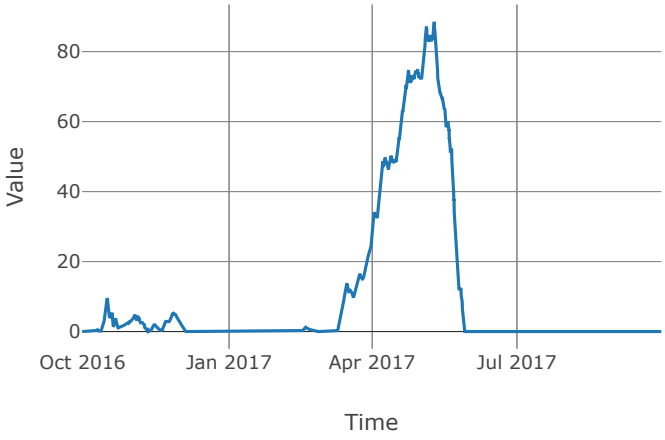
Cold Content



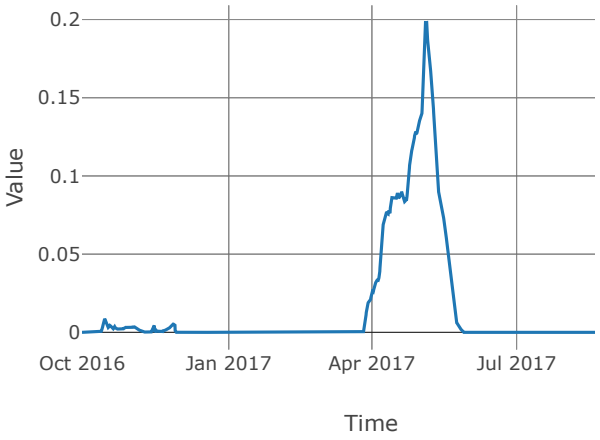
Cold Content ATI



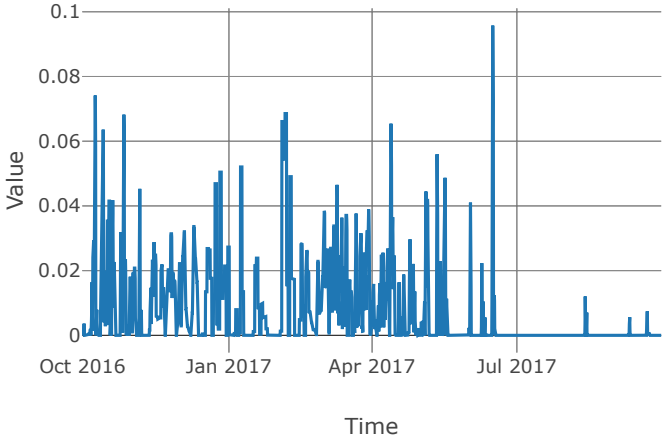
Melt Rate ATI



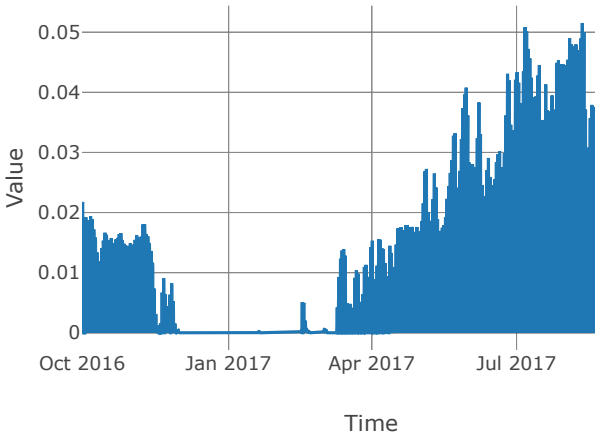
Liquid Water Content



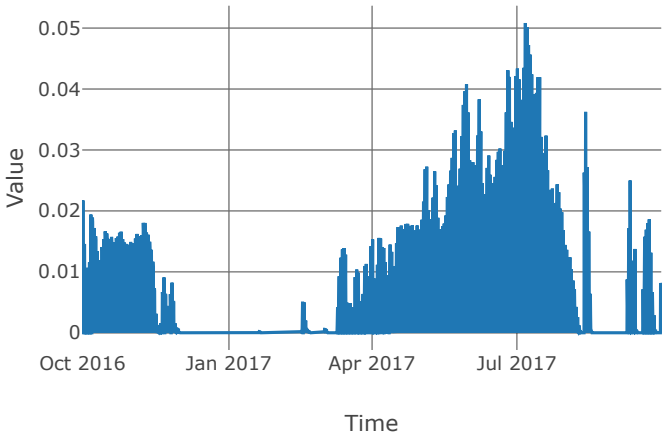
Canopy Overflow



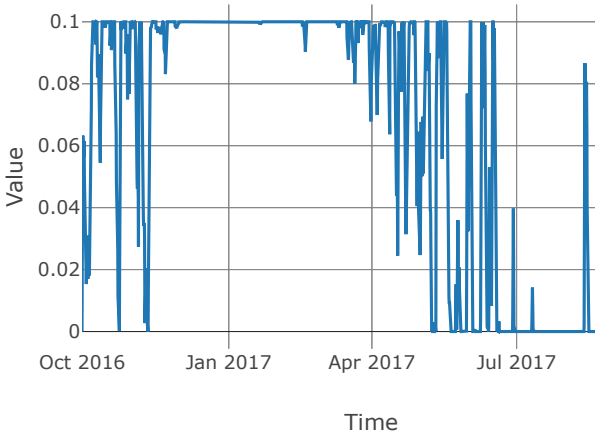
Potential Evapotranspiration



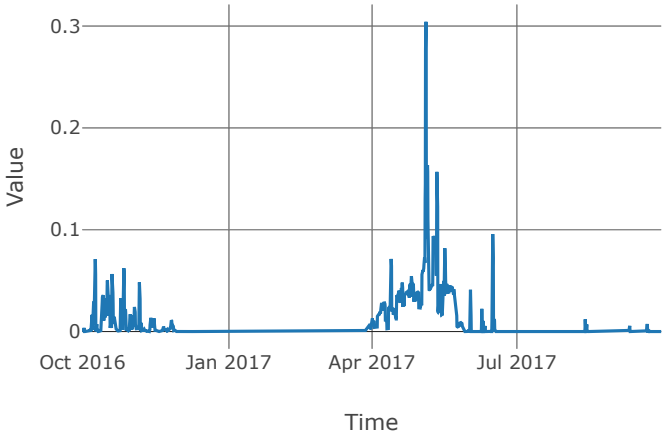
Canopy Evapotranspiration



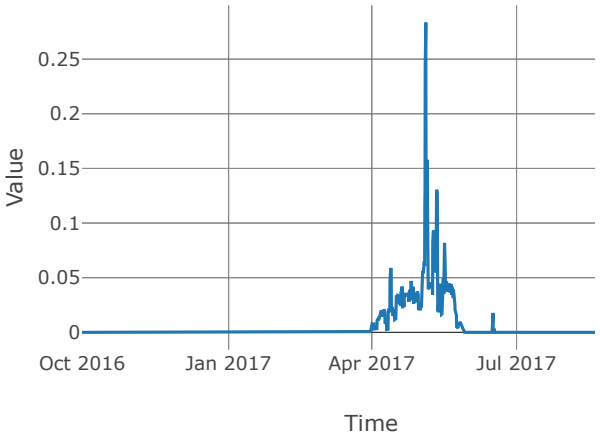
Canopy Storage



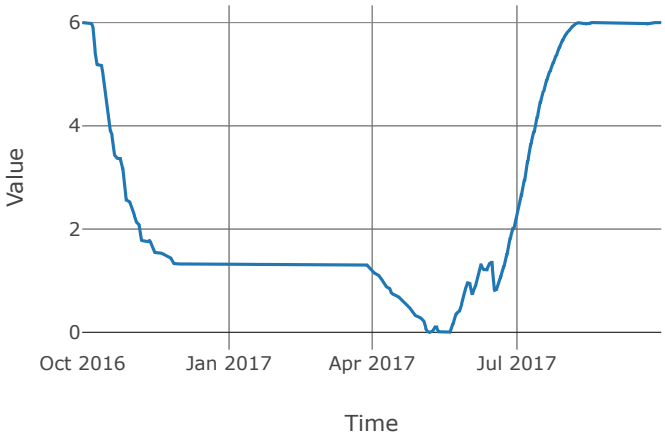
Soil Infiltration



Soil Percolation

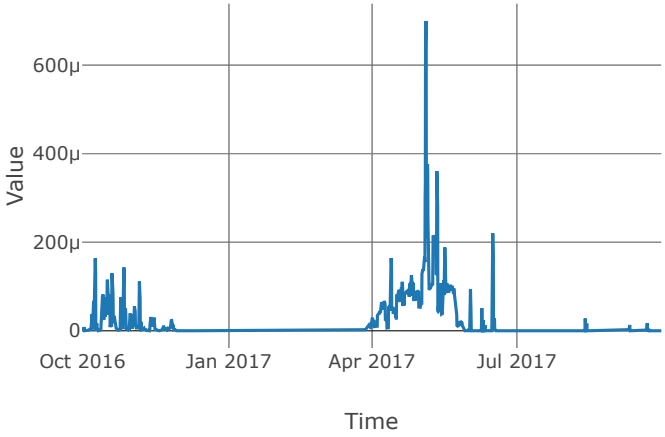


Moisture Deficit

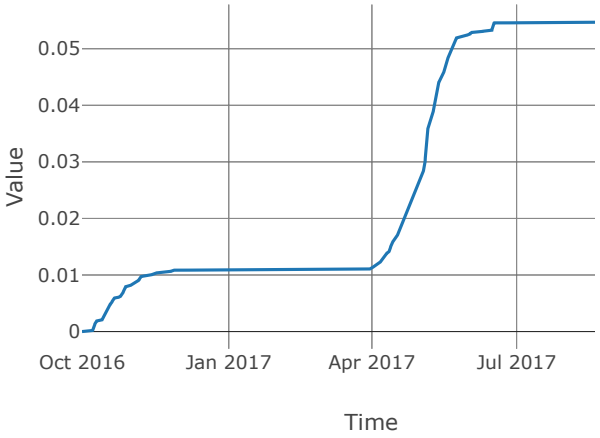


Saturation Fraction

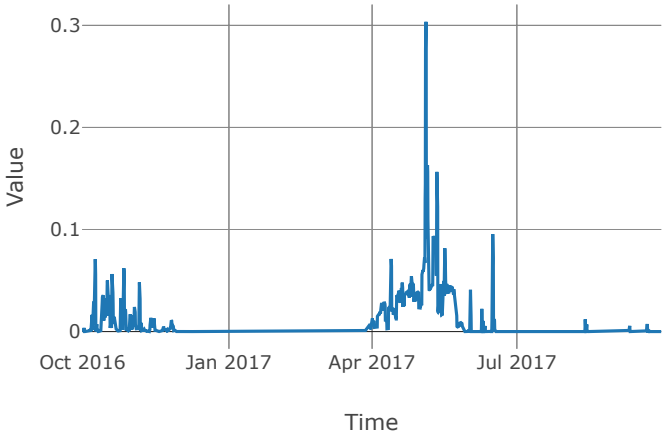
Excess Precipitation



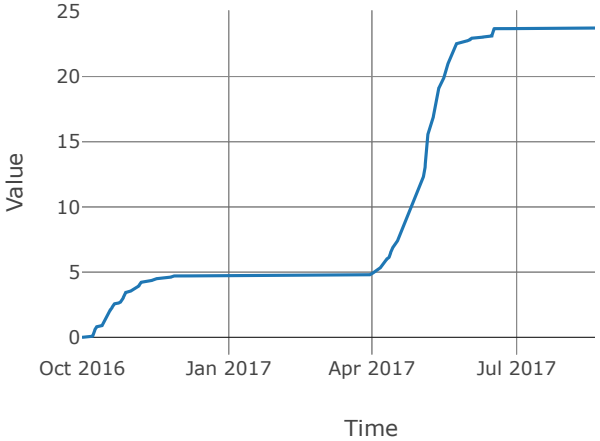
Cumulative Excess Precipitation



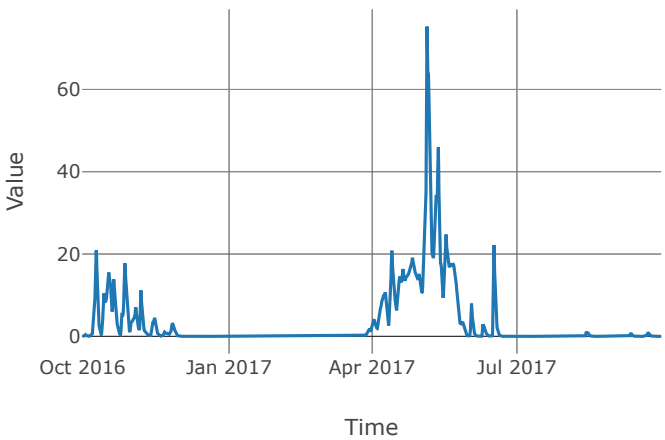
Precipitation Loss



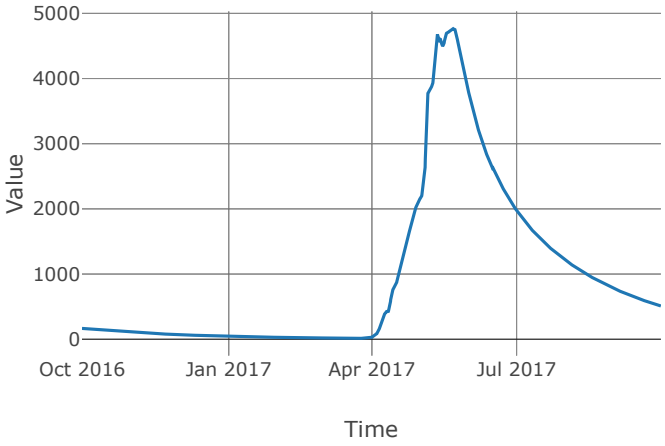
Cumulative Precipitation Loss



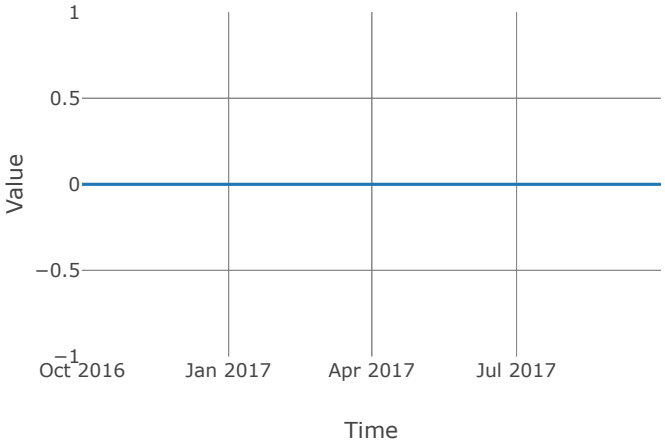
Direct Runoff



Baseflow

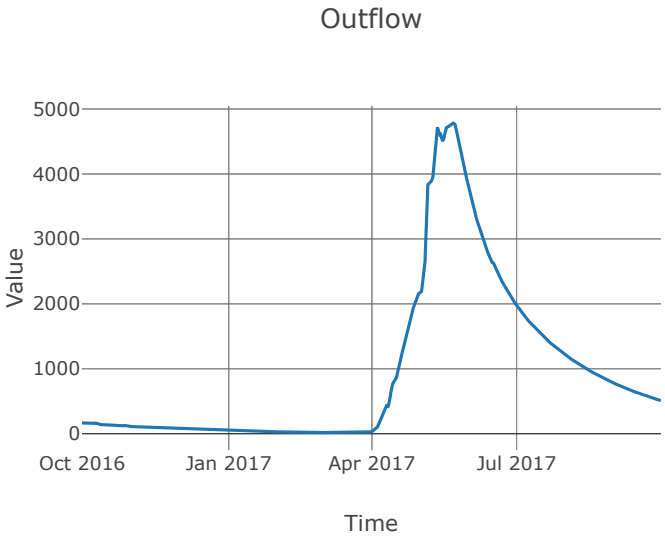


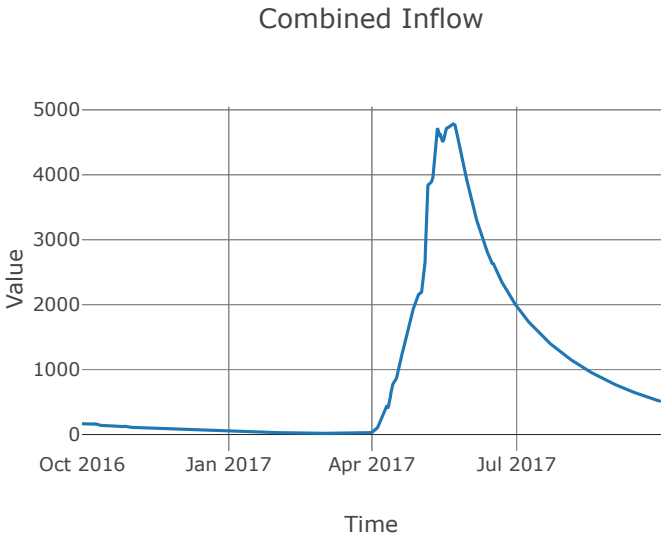
Aquifer Recharge



KettleNrWestBr: Junction

Name : Kettle Nr West Br
Downstream : KettleRv_R035
Element Type : Junction
Observed Hydrograph : Kettle river near westbridge



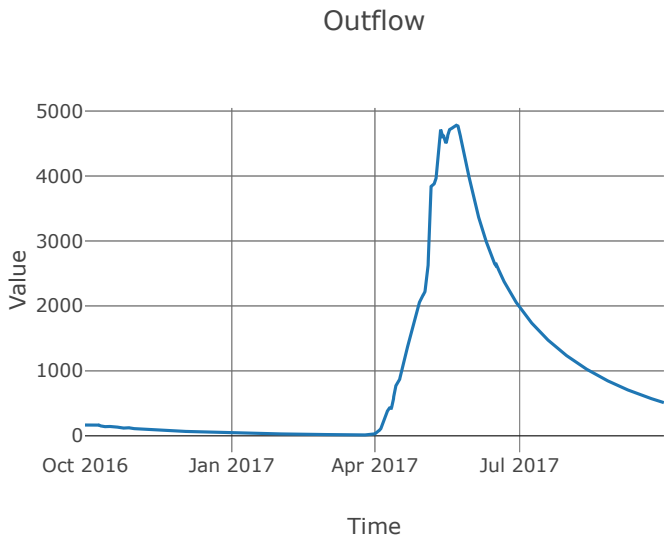


KettleRv_R035: Reach

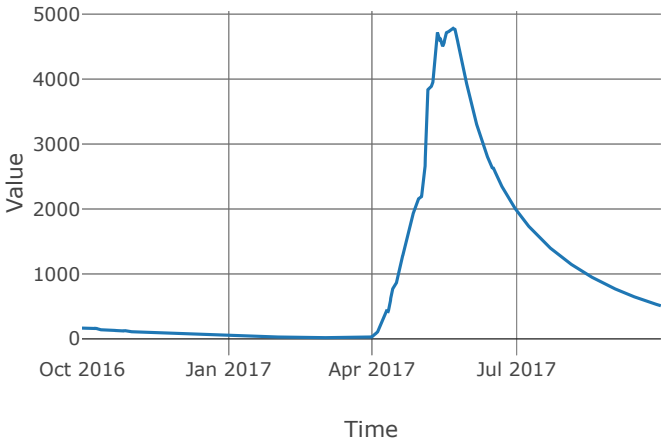
Loss Method : None
Name : KettleRv_R035
Downstream : WKettleRv_CF
Element Type : Reach

Route	
Space Time Method	Auto Dx Dt
Method	Muskingum Cunge
Maximum Depth Iterations	20.0
Index Parameter Type	Index Flow
Initial Variable	Combined Inflow
Index Flow	20000.0
Channel Type	Eight Point
Maximum Route Step Iterations	30.0

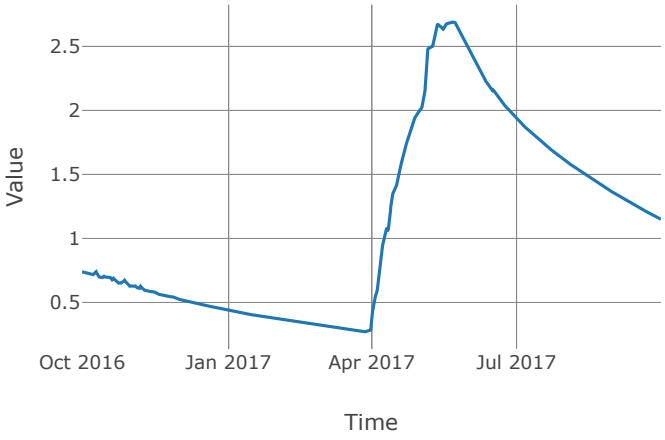
Channel	
Channel Mannings N	0.035
Nvalue Ratio	1.0
Length	31978.0
Max Depth Difference	0.0
Left Mannings N	0.15
Channel Type	Eight Point
manningsN	0.035
Cross Section Name	KettleRv_R025
Energy Slope	0.001187
Right Mannings N	0.15



Combined Inflow



Flow Velocity



WKettleRv_S010: Subbasin

Area : 732.73
Latitude : 49.54083333333333
Downstream : WKettleRv_CF
Name : WKettleRv_S010
Element Type : Subbasin
Observed Hydrograph : West kettle river at westbri
Longitude : 119.09916666666666

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.39
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	13.29
Storage Coefficient	13.29

Baseflow

Method	Linear Reservoir

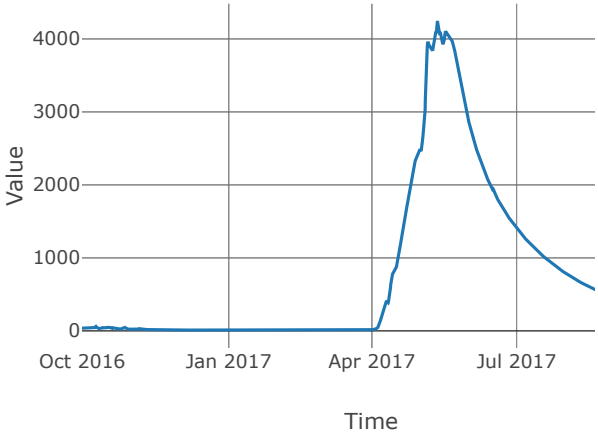
Baseflow Layer List

Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	265.8
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.05
Layer Number 2	2
Storage Coefficient 2	1329.0
Number Steps 2	1.0

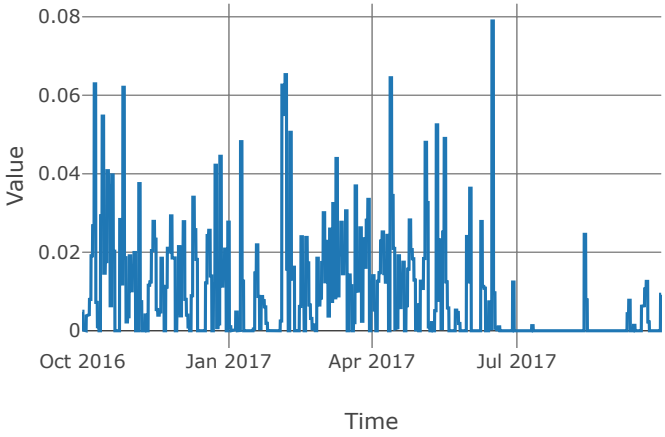
Statistics

Name	Value	Unit
Baseflow Volume	527795.6347948	Ac-ft
Precipitation Volume	1092018.6736354	Ac-ft
Loss Volume	826102.5207587	Ac-ft
Excess Volume	3234.4140457	Ac-ft

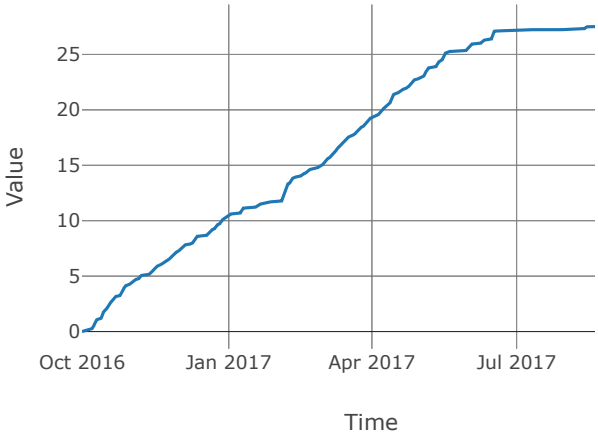
Outflow



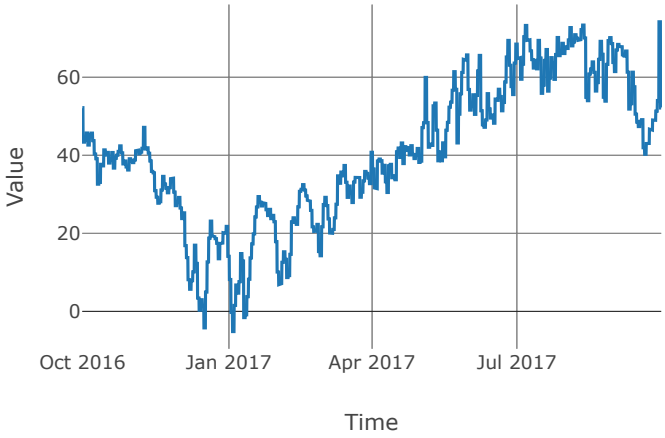
Precipitation



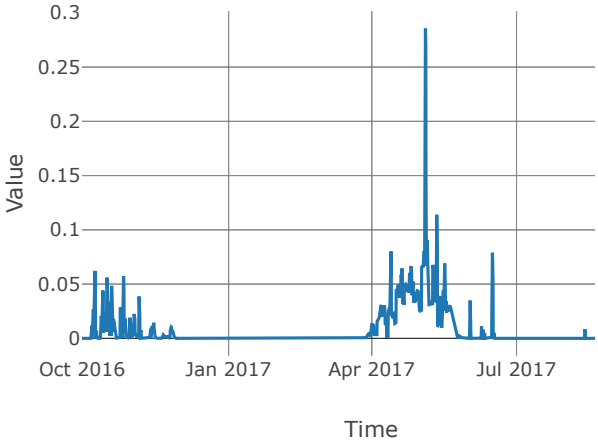
Cumulative Precipitation



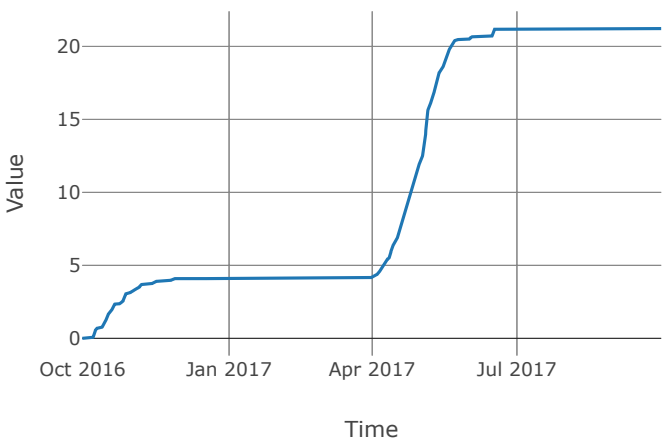
Air Temperature



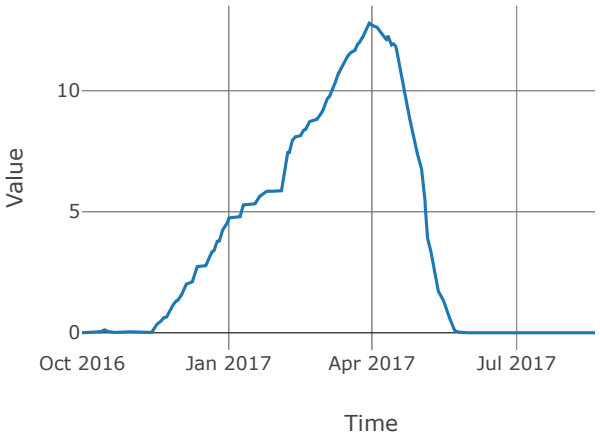
Liquid Water at Soil Surface



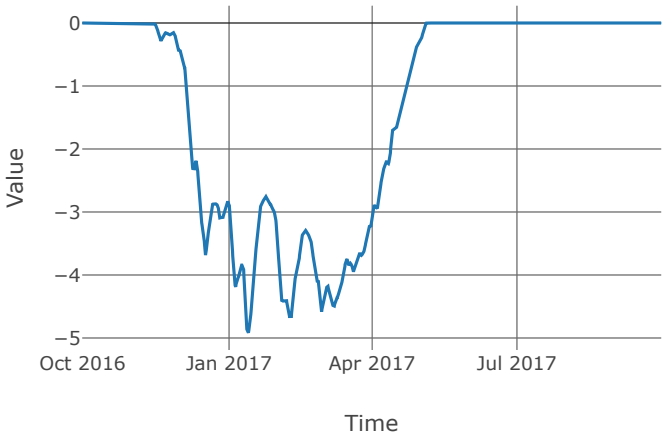
Cumulative LWASS



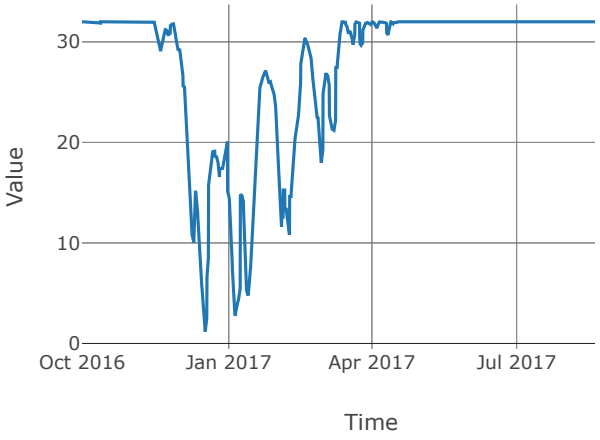
Snow Water Equivalent



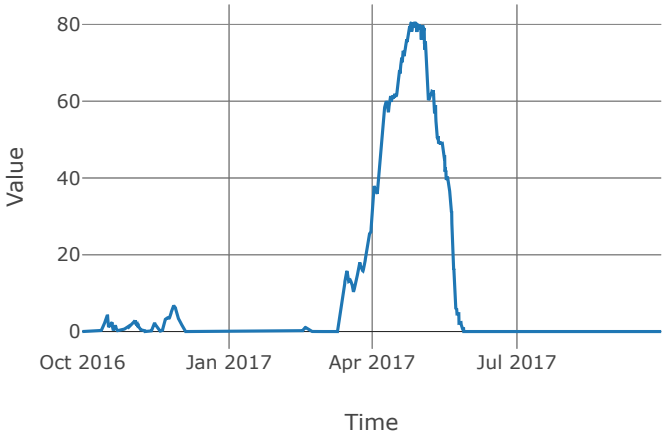
Cold Content



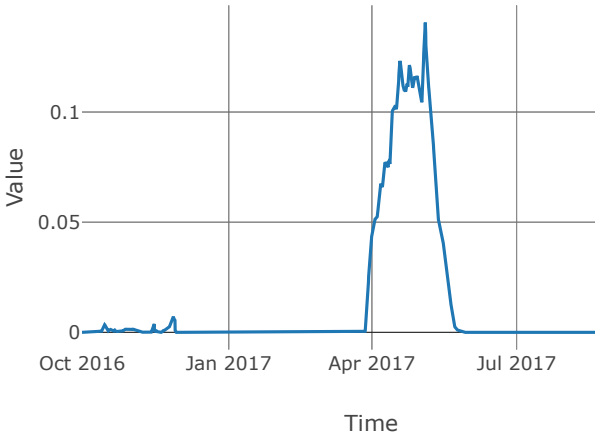
Cold Content ATI



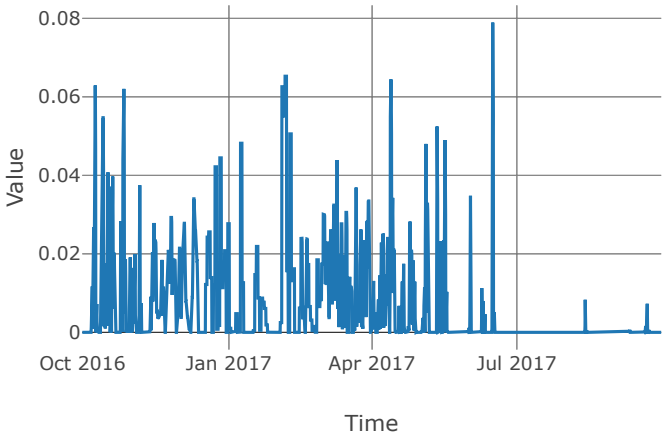
Melt Rate ATI



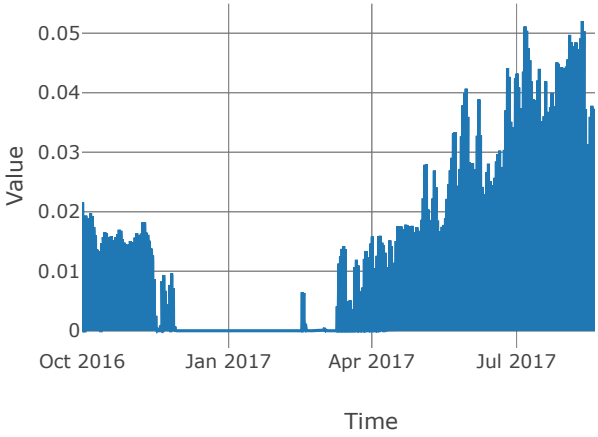
Liquid Water Content



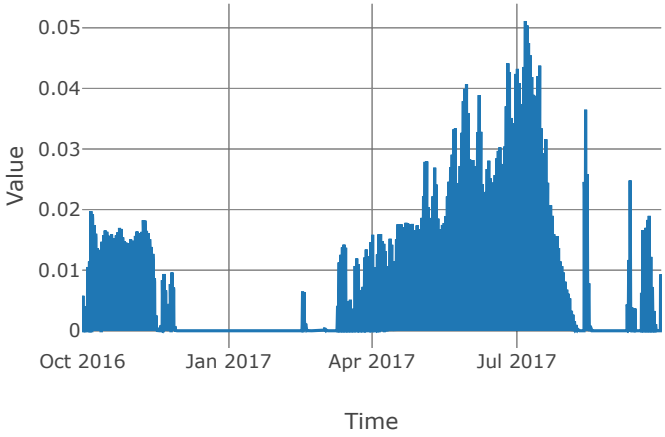
Canopy Overflow



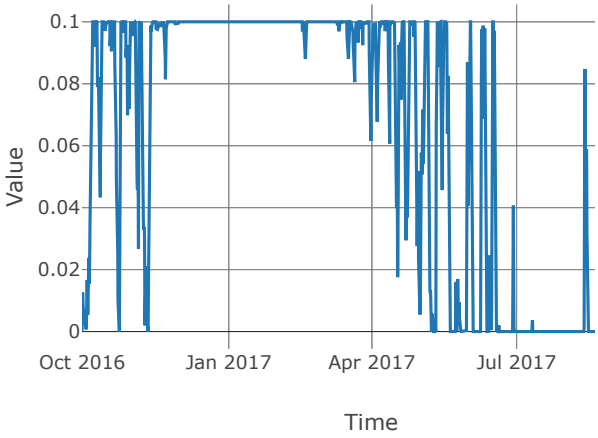
Potential Evapotranspiration



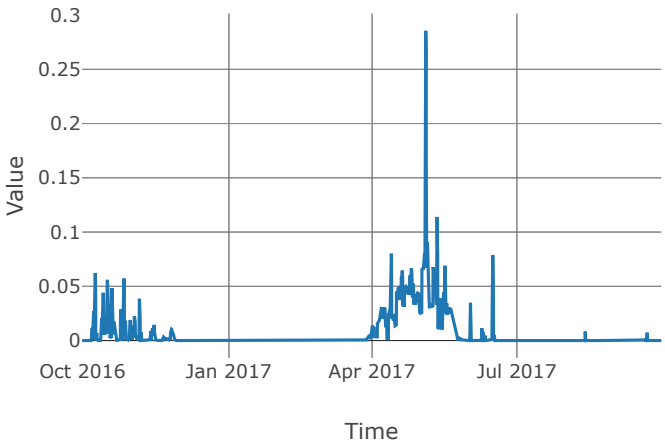
Canopy Evapotranspiration



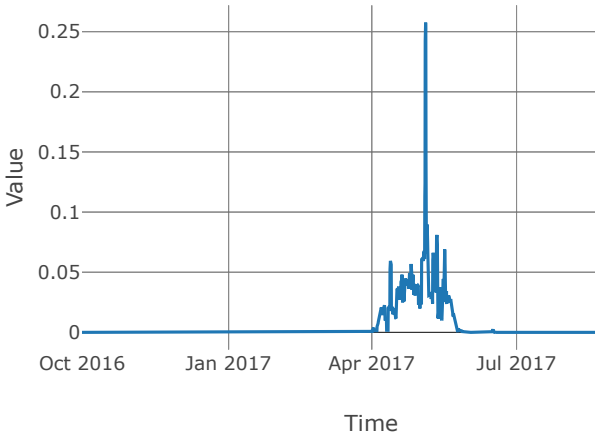
Canopy Storage



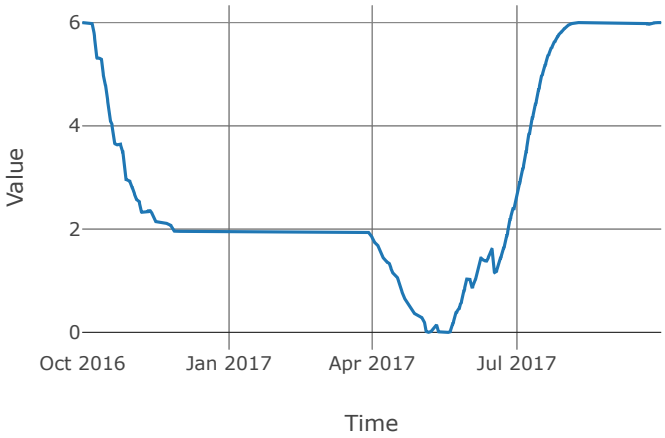
Soil Infiltration



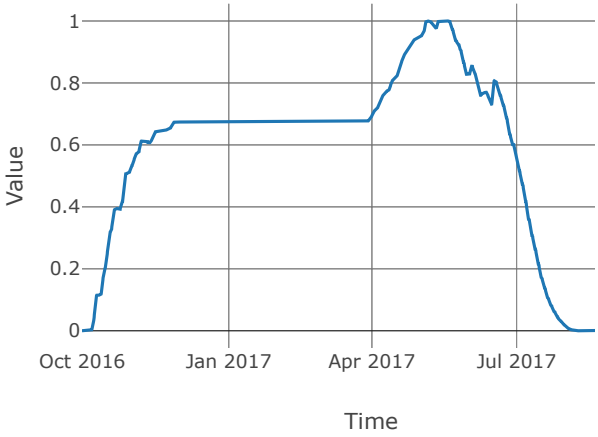
Soil Percolation



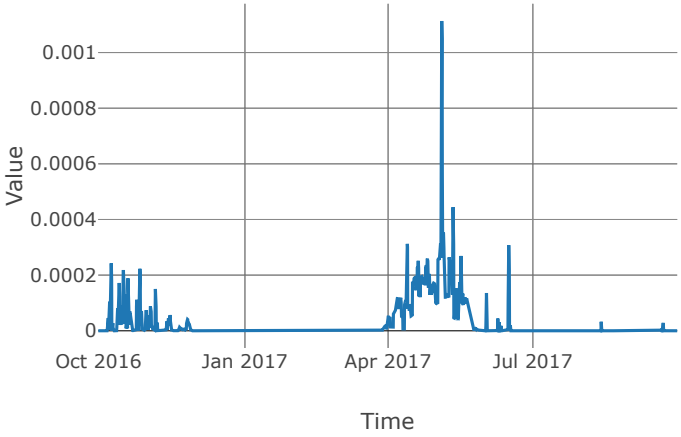
Moisture Deficit



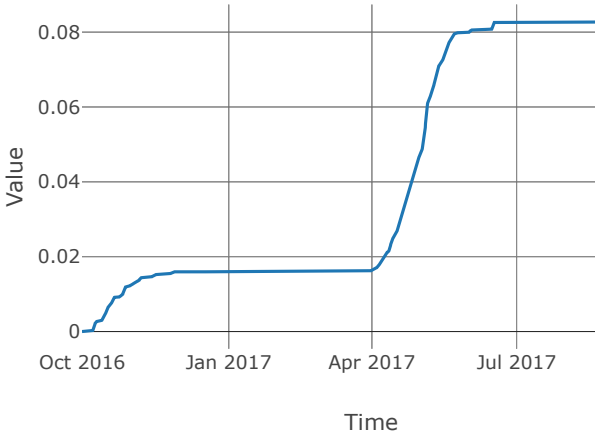
Saturation Fraction



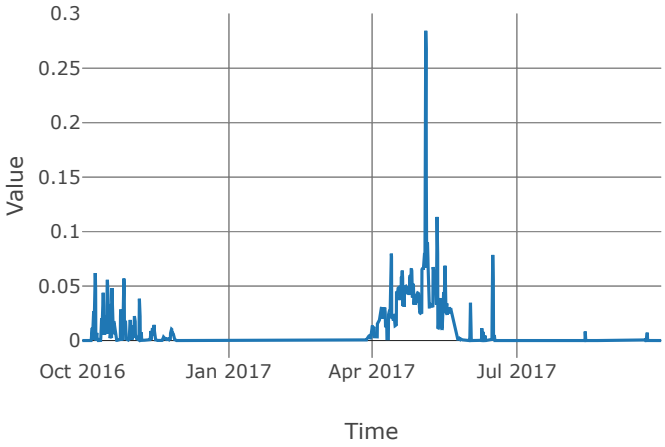
Excess Precipitation



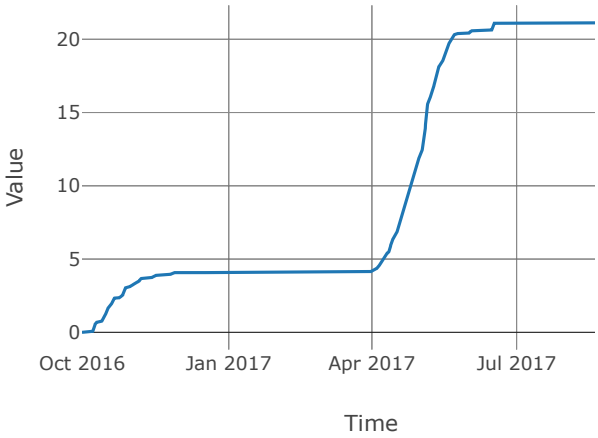
Cumulative Excess Precipitation



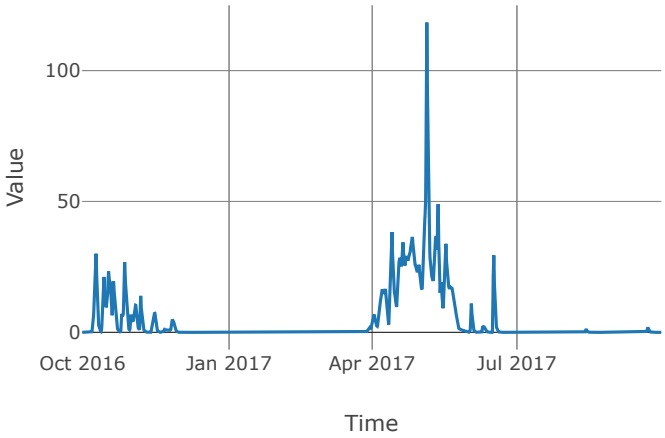
Precipitation Loss



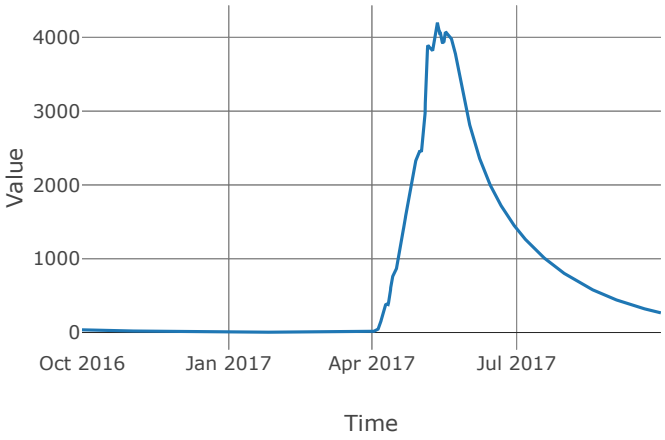
Cumulative Precipitation Loss



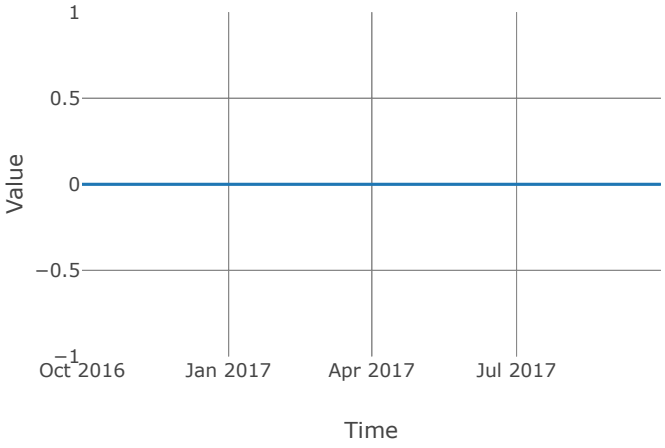
Direct Runoff



Baseflow

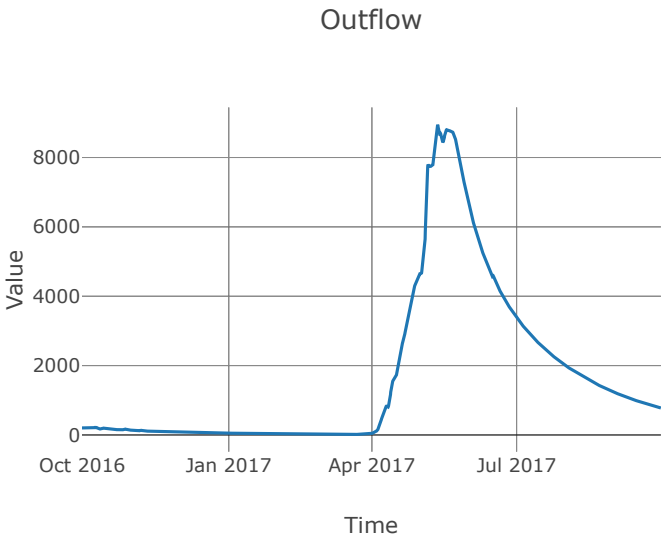


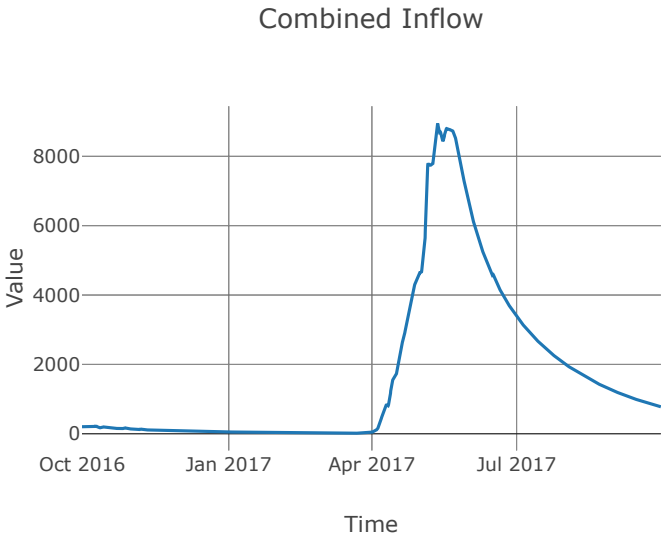
Aquifer Recharge



WKettleRv_CF: Junction

Name : WKettleRv_CF
Downstream : KettleRv_R030
Element Type : Junction



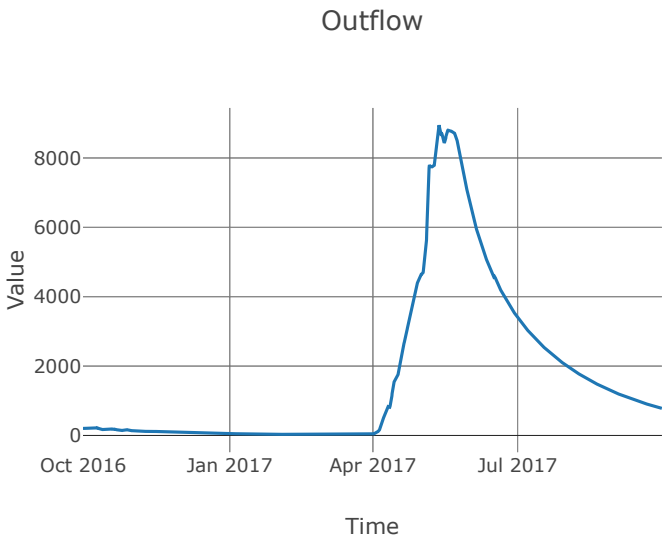


KettleRv_R030: Reach

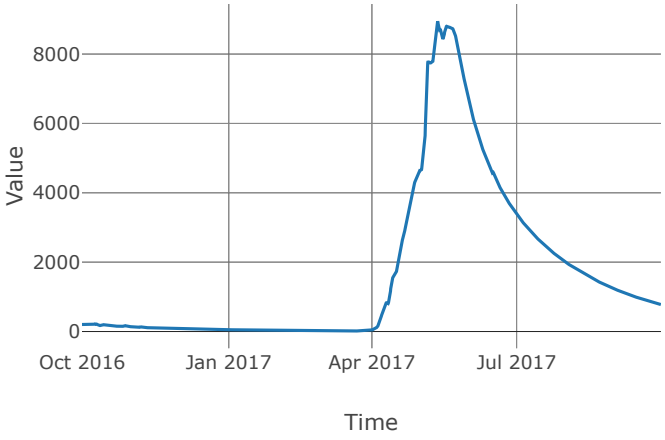
Loss Method : None
Name : KettleRv_R030
Downstream : Kettle Nr Ferry
Element Type : Reach

Route	
Space Time Method	Auto Dx Dt
Method	Muskingum Cunge
Maximum Depth Iterations	20.0
Index Parameter Type	Index Flow
Initial Variable	Combined Inflow
Index Flow	20000.0
Channel Type	Eight Point
Maximum Route Step Iterations	30.0

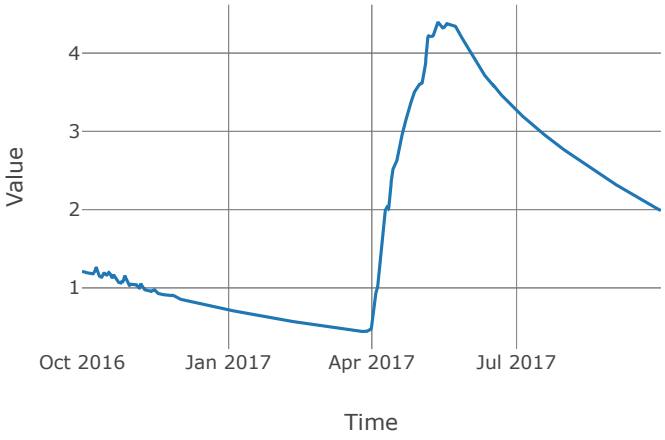
Channel	
Channel Mannings N	0.035
Nvalue Ratio	1.0
Length	139454.0
Max Depth Difference	0.0
Left Mannings N	0.15
Channel Type	Eight Point
manningsN	0.035
Cross Section Name	KettleRv_R030
Energy Slope	0.001246
Right Mannings N	0.15



Combined Inflow



Flow Velocity



KettleRv_S030: Subbasin

Area : 625.53
Latitude : 49.09648997539862
Downstream : Kettle Nr Ferry
Name : KettleRv_S030
Element Type : Subbasin
Longitude : 118.90485392474044

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.25
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	9.21
Storage Coefficient	9.21

Baseflow

Method	Linear Reservoir

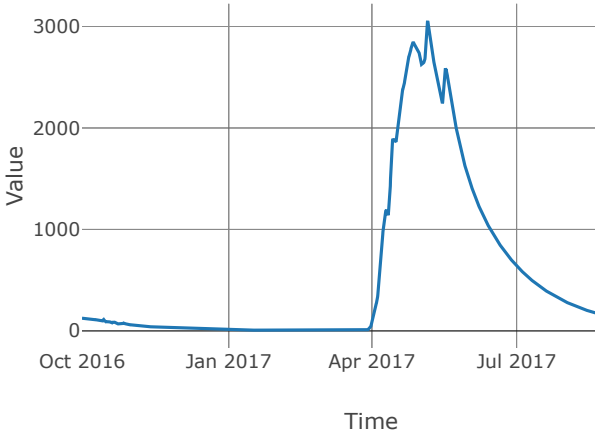
Baseflow Layer List

Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	184.2
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.2
Layer Number 2	2
Storage Coefficient 2	921.0
Number Steps 2	1.0

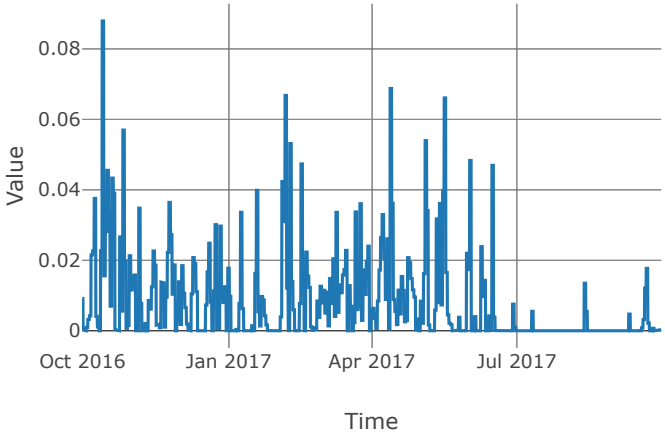
Statistics

Name	Value	Unit
Baseflow Volume	358884.291238	Ac-ft
Precipitation Volume	821509.2344542	Ac-ft
Loss Volume	591352.2605619	Ac-ft
Excess Volume	1482.0858661	Ac-ft

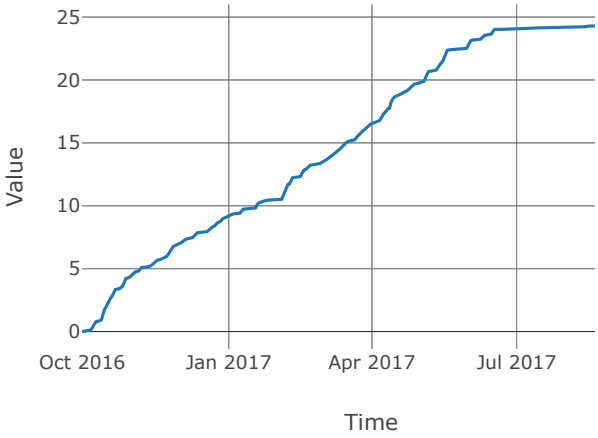
Outflow



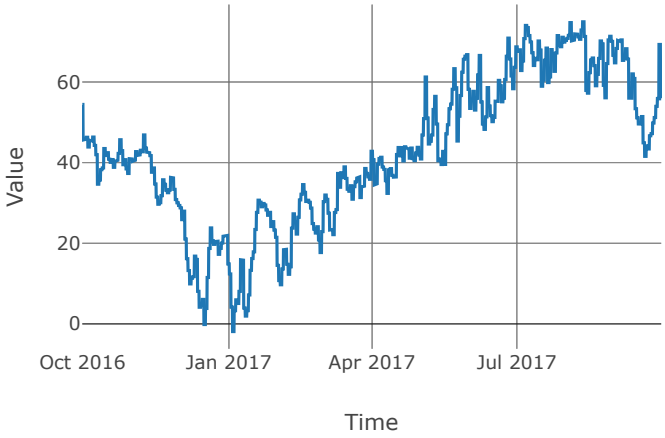
Precipitation



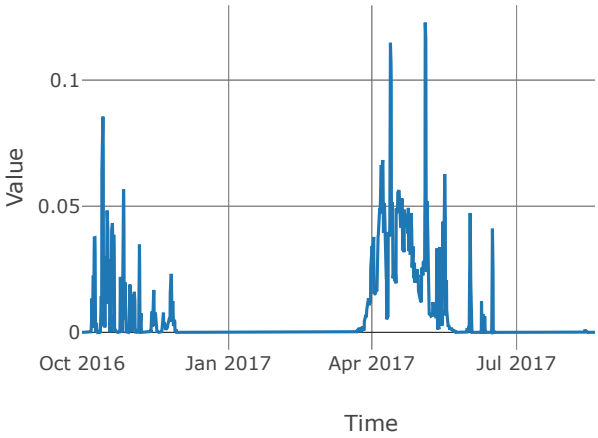
Cumulative Precipitation



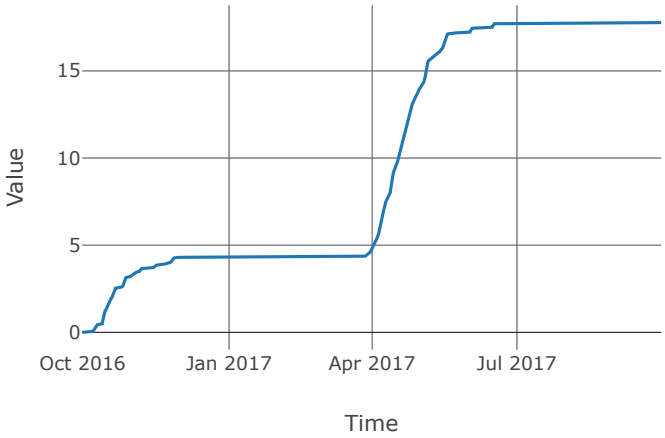
Air Temperature



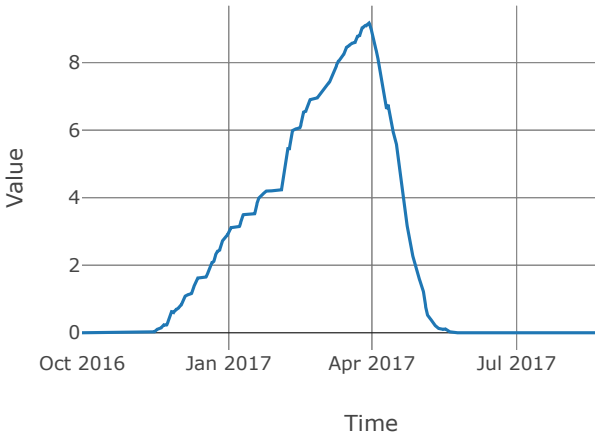
Liquid Water at Soil Surface



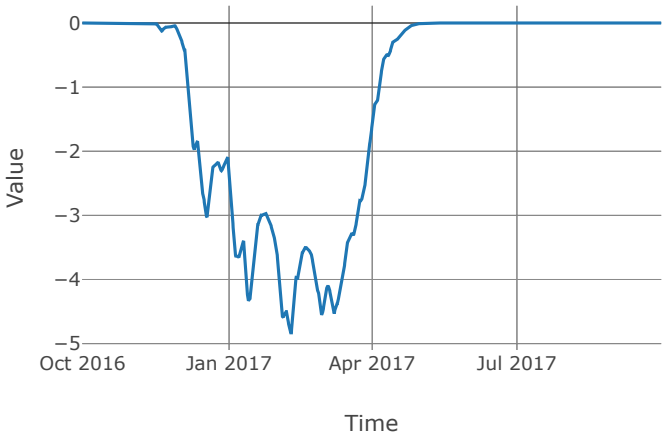
Cumulative LWASS



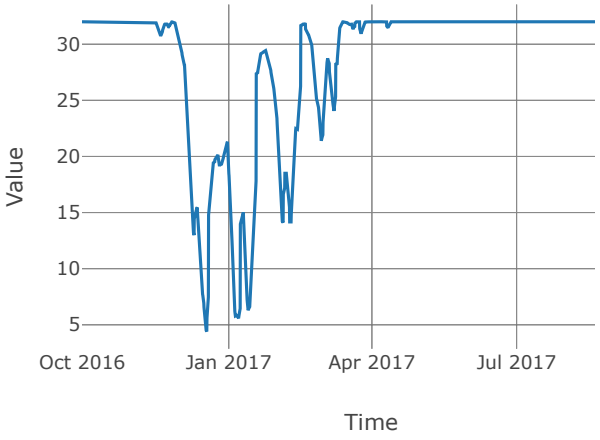
Snow Water Equivalent



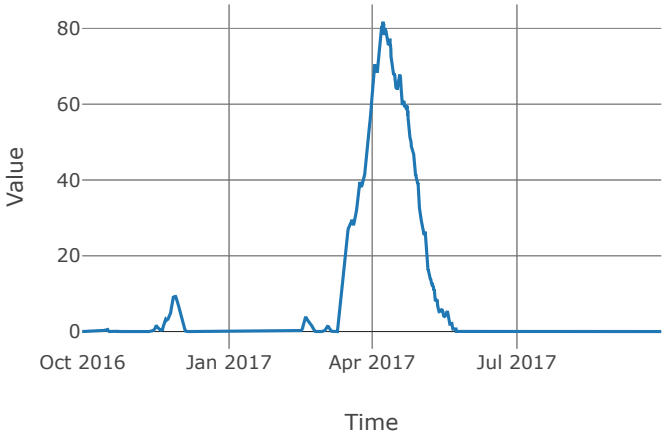
Cold Content



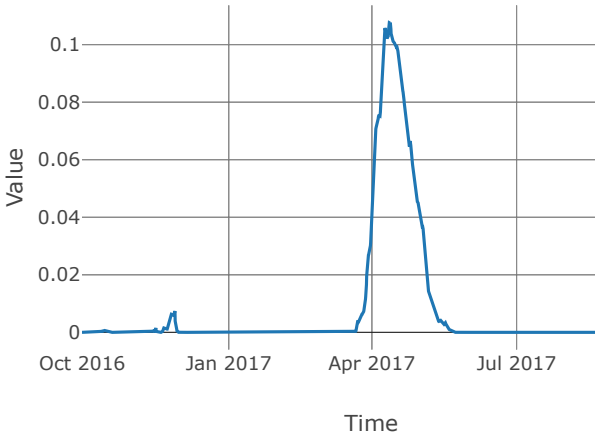
Cold Content ATI



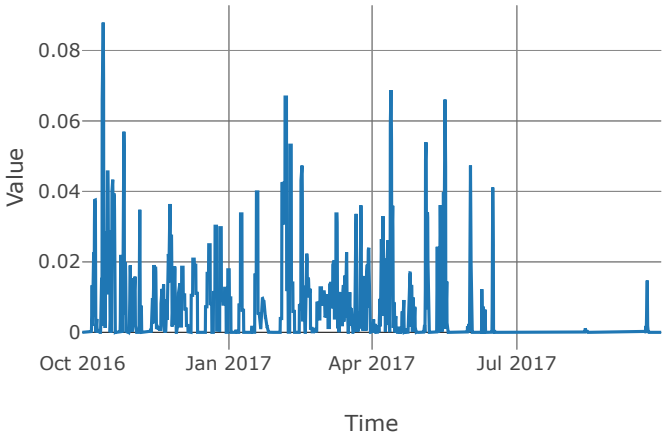
Melt Rate ATI



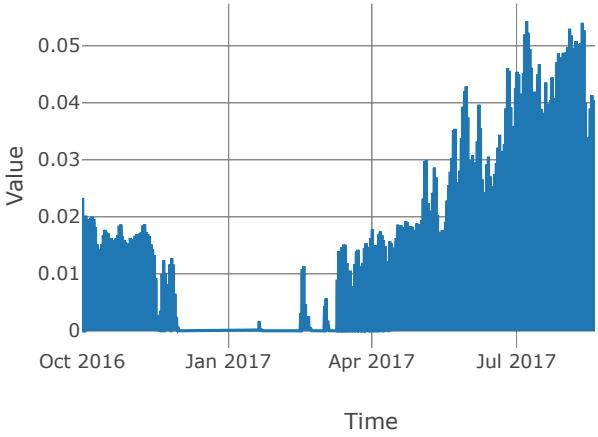
Liquid Water Content



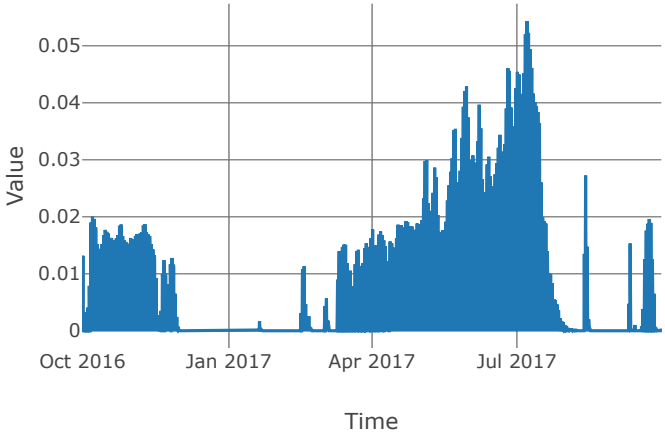
Canopy Overflow



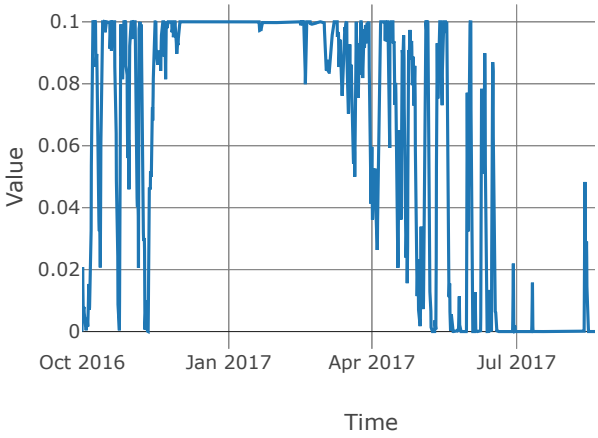
Potential Evapotranspiration



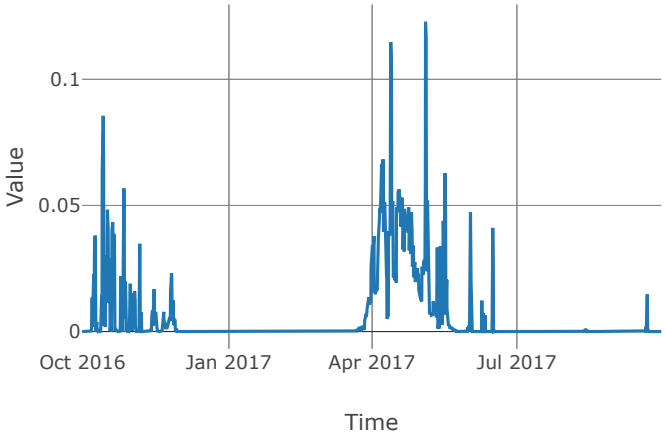
Canopy Evapotranspiration



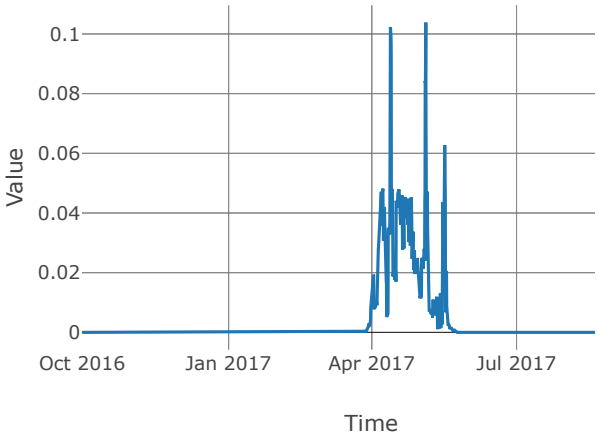
Canopy Storage



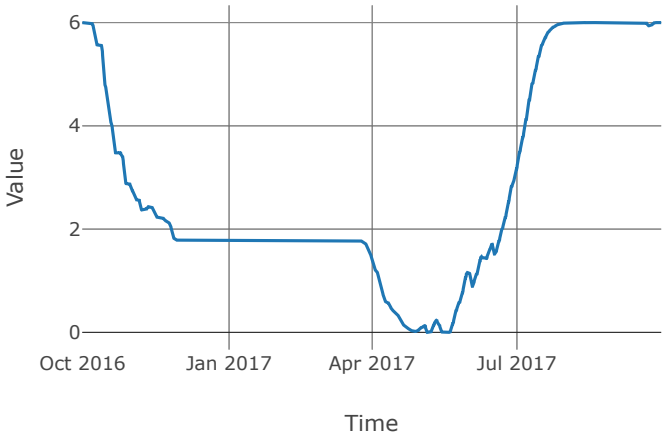
Soil Infiltration



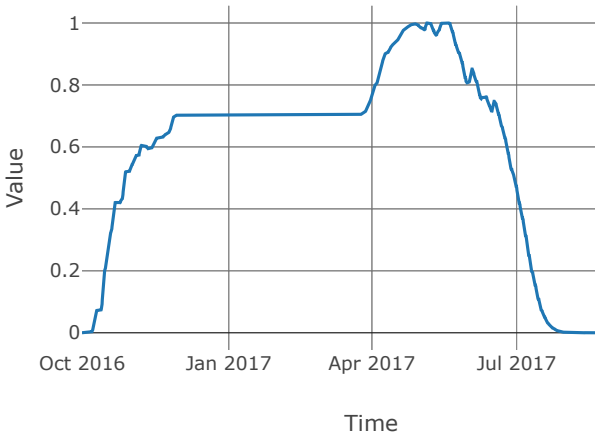
Soil Percolation



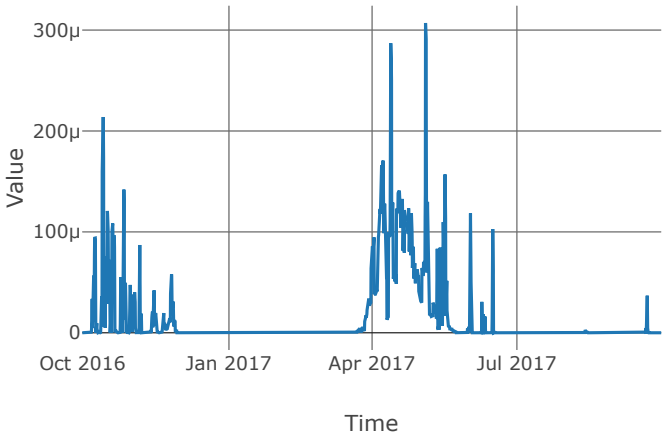
Moisture Deficit



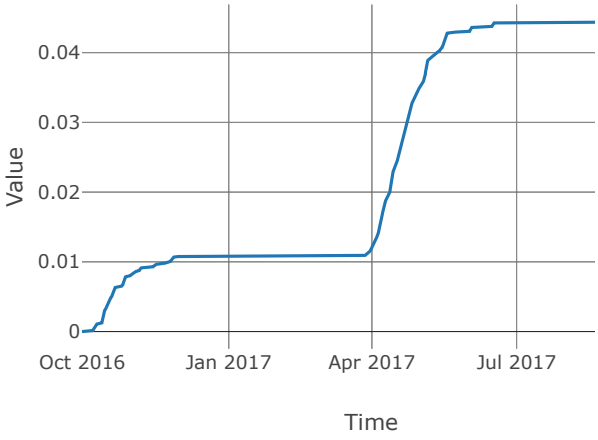
Saturation Fraction



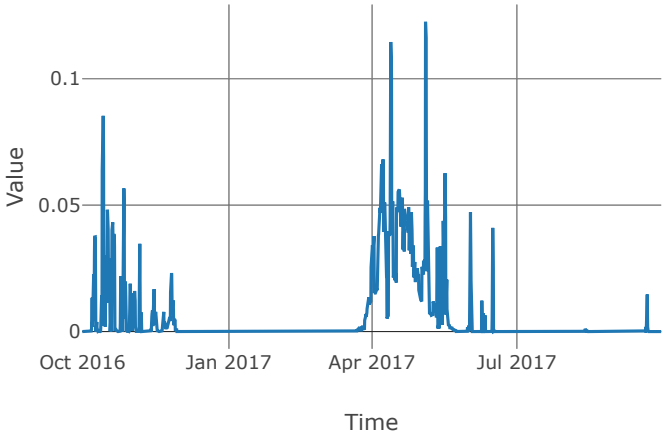
Excess Precipitation



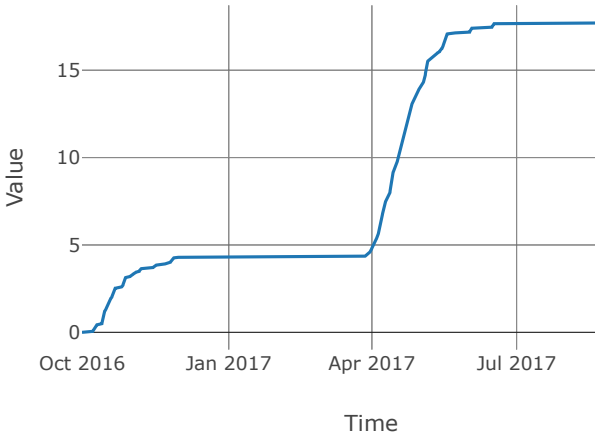
Cumulative Excess Precipitation



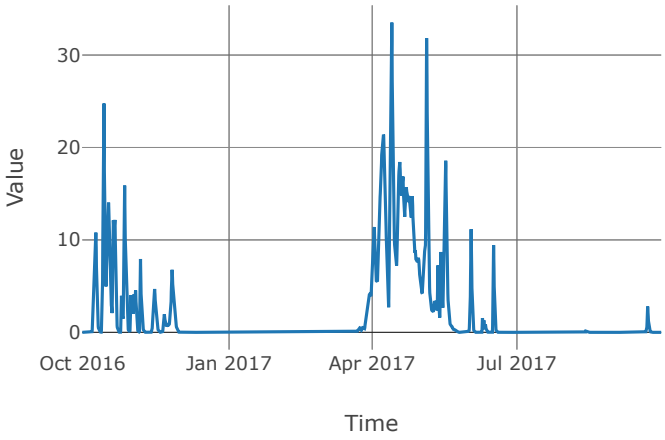
Precipitation Loss



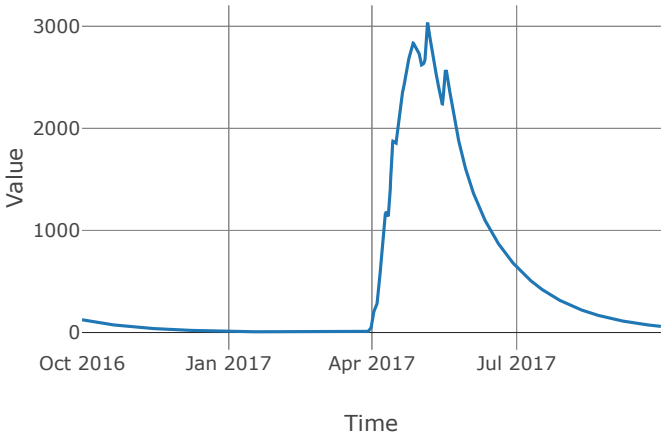
Cumulative Precipitation Loss



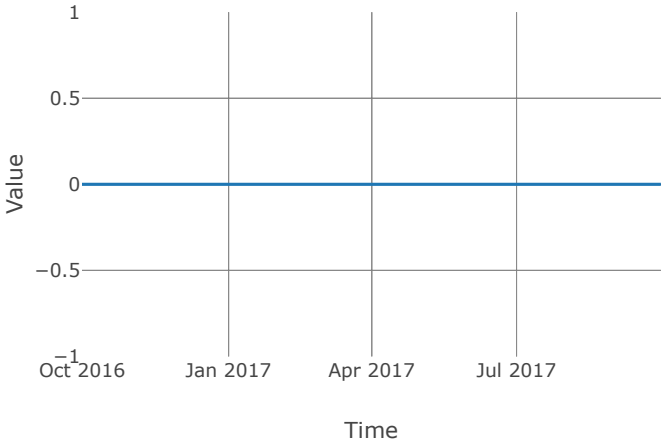
Direct Runoff



Baseflow

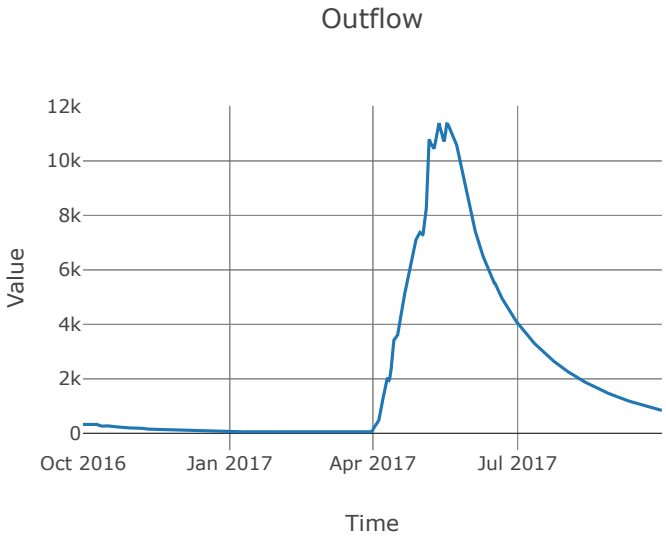


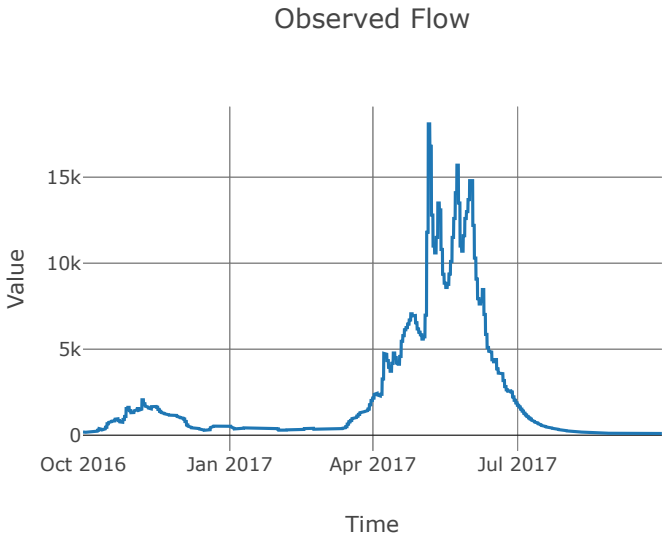
Aquifer Recharge

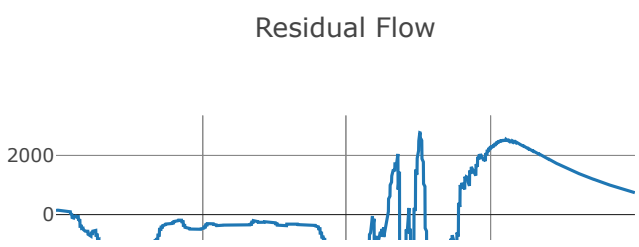


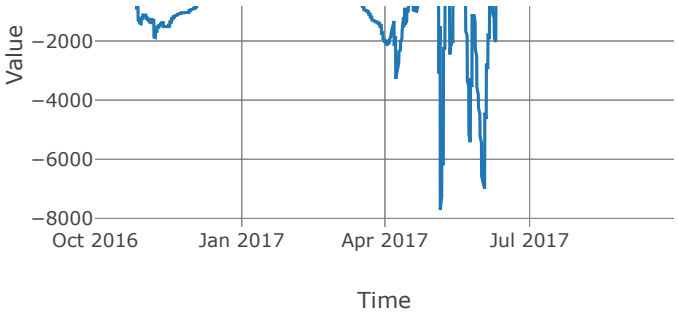
KettleNrFerry: Junction

Name : Kettle Nr Ferry
Downstream : KettleRv_R025
Element Type : Junction
Observed Hydrograph : Kettle river near ferry

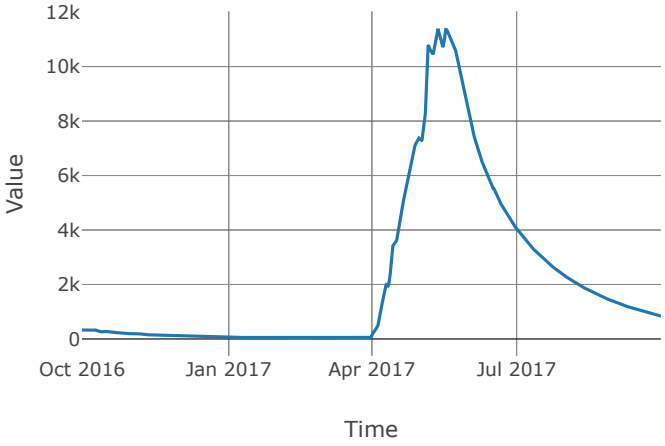








Combined Inflow



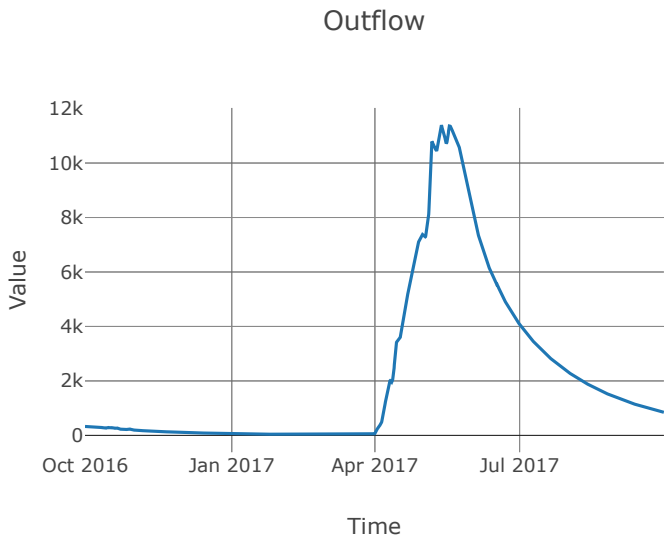
KettleRv_R025: Reach

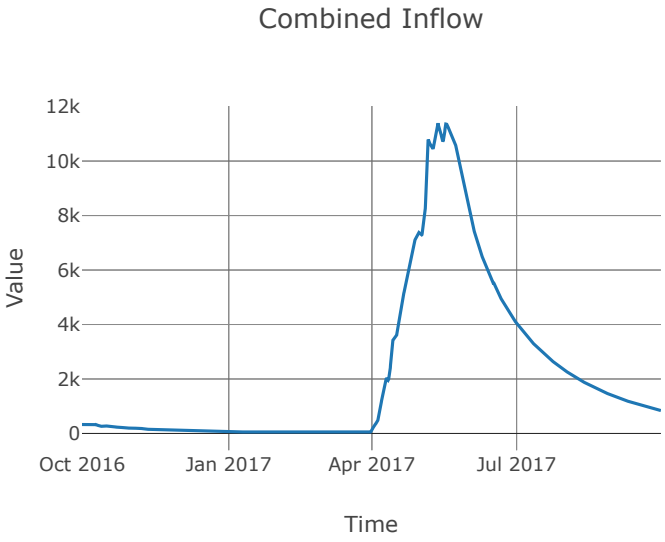
Loss Method : None
Name : KettleRv_R025
Downstream : GranbyRv_CF
Element Type : Reach

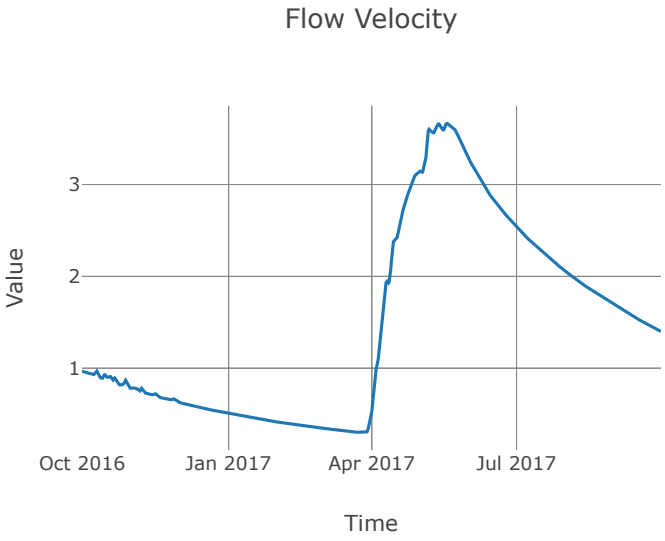
Route	
Space Time Method	Auto Dx Dt
Method	Muskingum Cunge
Maximum Depth Iterations	20.0
Index Parameter Type	Index Flow
Initial Variable	Combined Inflow
Index Flow	20000.0
Channel Type	Eight Point
Maximum Route Step Iterations	30.0

Channel

Channel Mannings N	0.035
Nvalue Ratio	1.0
Length	172918.0
Max Depth Difference	0.0
Left Mannings N	0.15
Channel Type	Eight Point
manningsN	0.035
Cross Section Name	KettleRv_R025
Energy Slope	0.001187
Right Mannings N	0.15




Combined Inflow
12k
10k
8k
6k
4k
2k
0
Value
Oct 2016
Jan 2017
Apr 2017
Jul 2017
Time


Flow Velocity
3
2
1
Value
Oct 2016
Jan 2017
Apr 2017
Jul 2017
Time

GranbyRv_S010: Subbasin

Area : 796.08
Latitude : 49.4635101160879 46
Downstream : GranbyRv_CF
Name : GranbyRv_S010
Element Type : Subbasin
Observed Hydrograph : Granby river at grand forks
Longitude : 118.44791369931615

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.07
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	14.13
Storage Coefficient	14.13

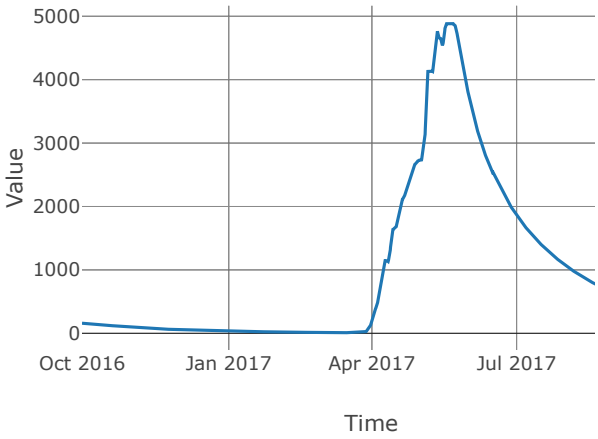
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	282.6
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.2
Layer Number 2	2
Storage Coefficient 2	1413.0
Number Steps 2	1.0

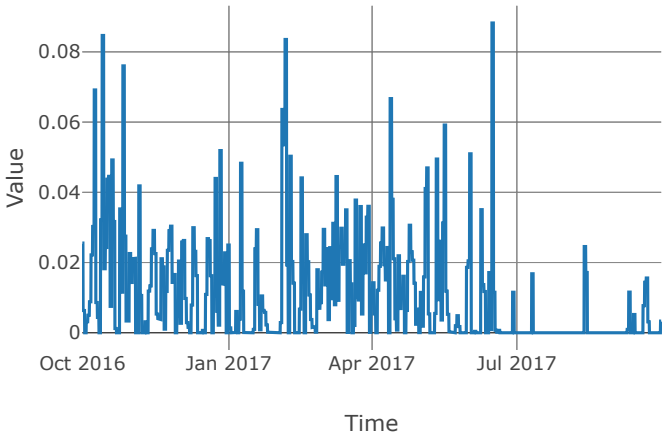
Statistics

Name	Value	Unit
Baseflow Volume	700329.7746651	Ac-ft
Precipitation Volume	1347783.5865889	Ac-ft
Loss Volume	1041318.669761	Ac-ft
Excess Volume	729.4336724	Ac-ft

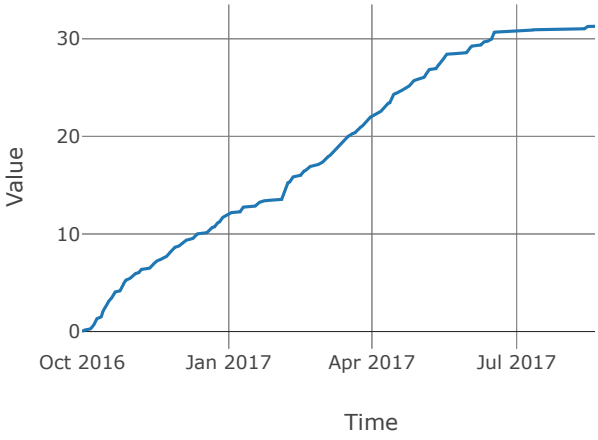
Outflow



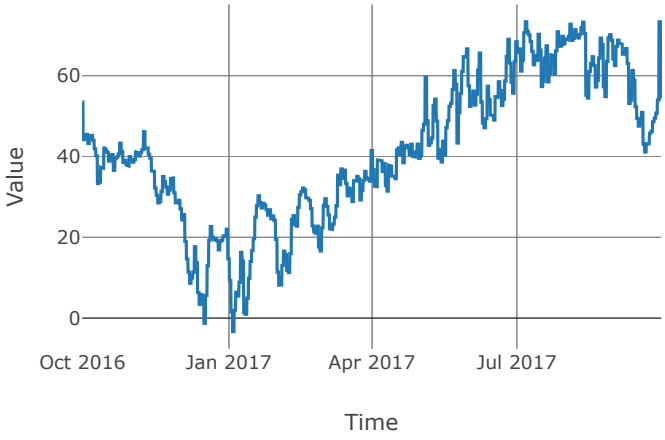
Precipitation



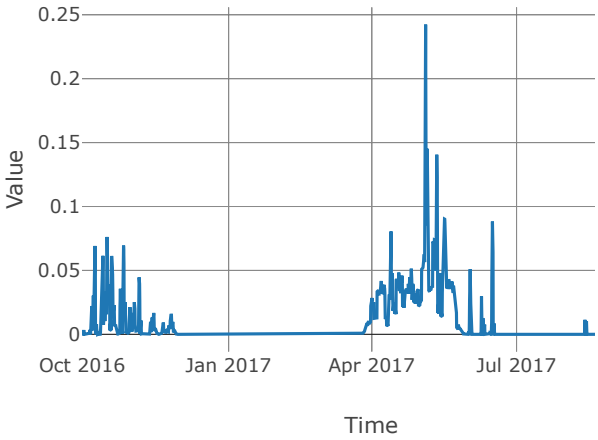
Cumulative Precipitation



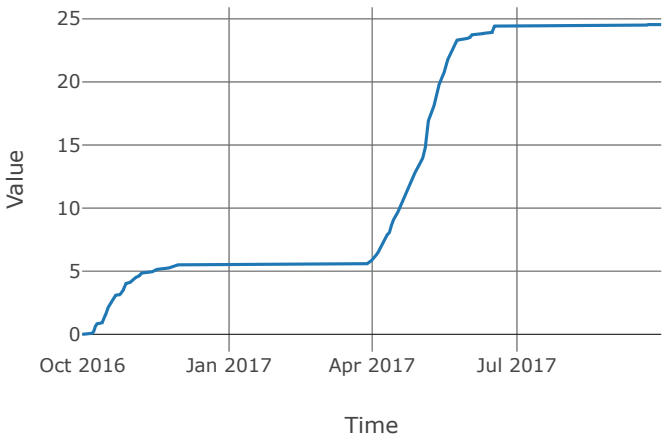
Air Temperature



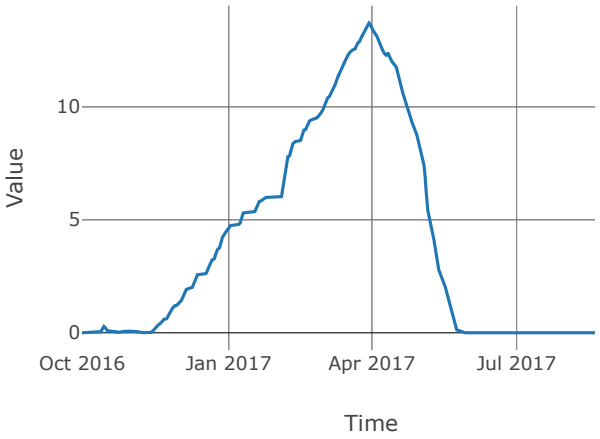
Liquid Water at Soil Surface



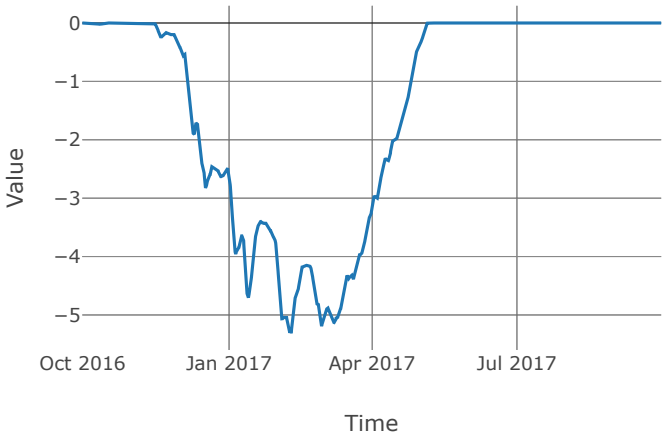
Cumulative LWASS



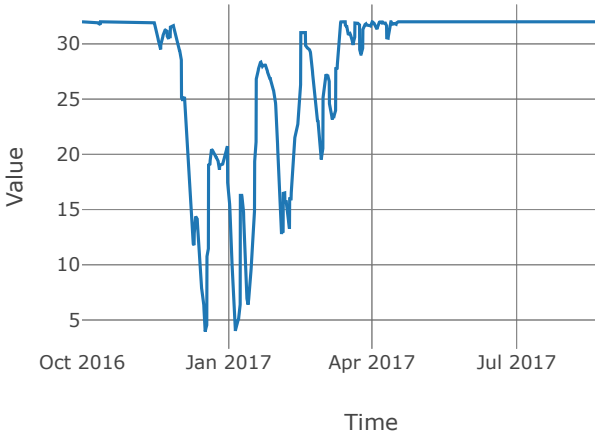
Snow Water Equivalent



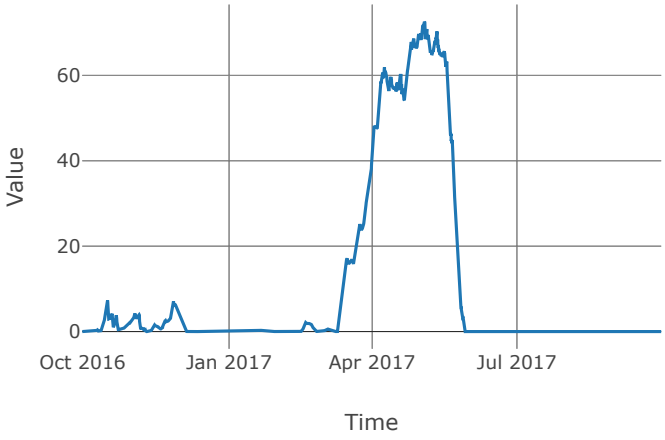
Cold Content



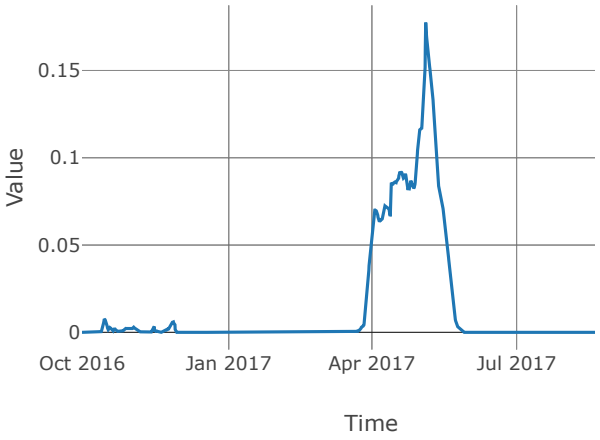
Cold Content ATI



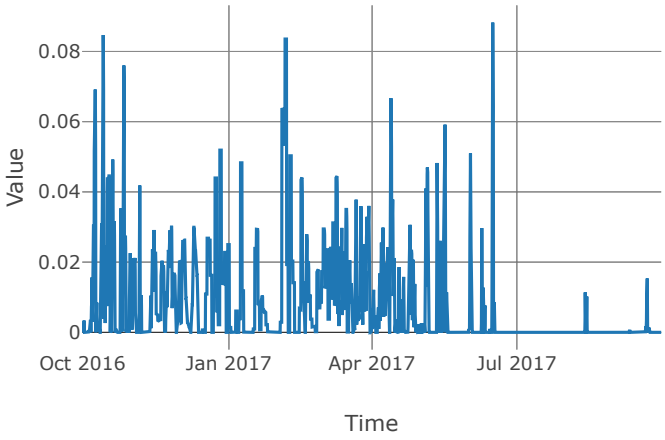
Melt Rate ATI



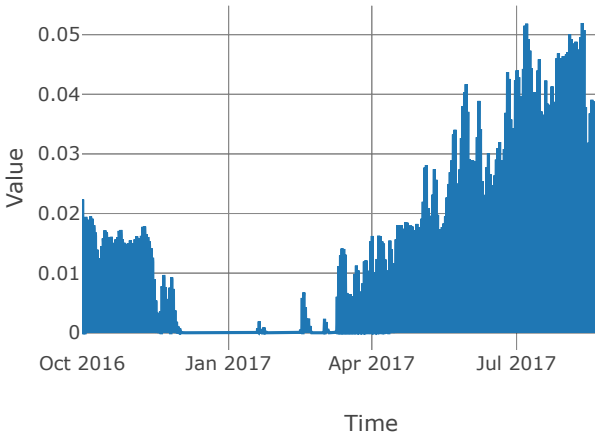
Liquid Water Content



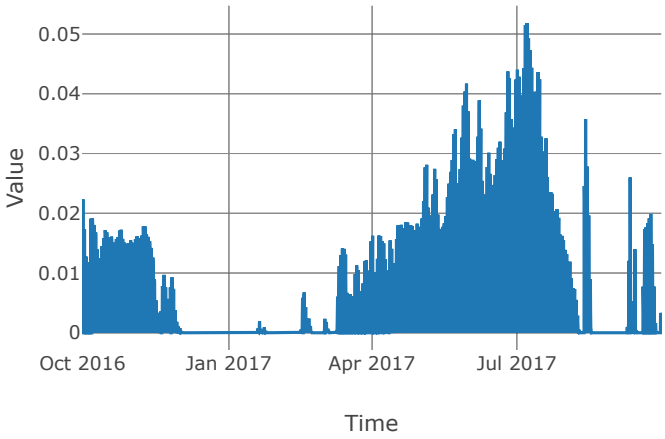
Canopy Overflow



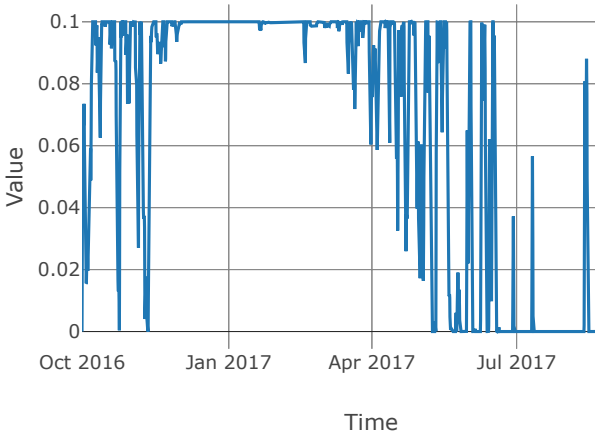
Potential Evapotranspiration



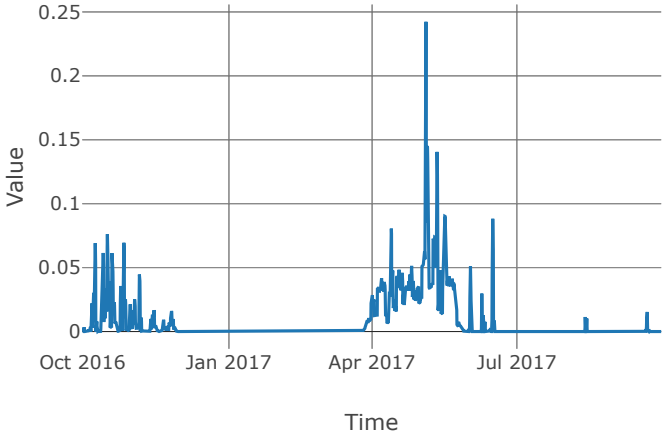
Canopy Evapotranspiration



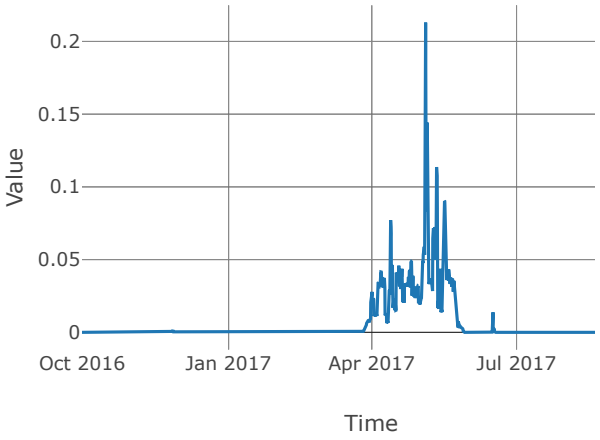
Canopy Storage



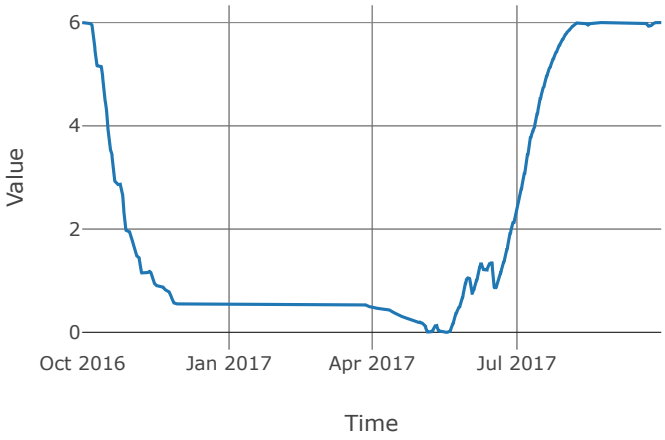
Soil Infiltration



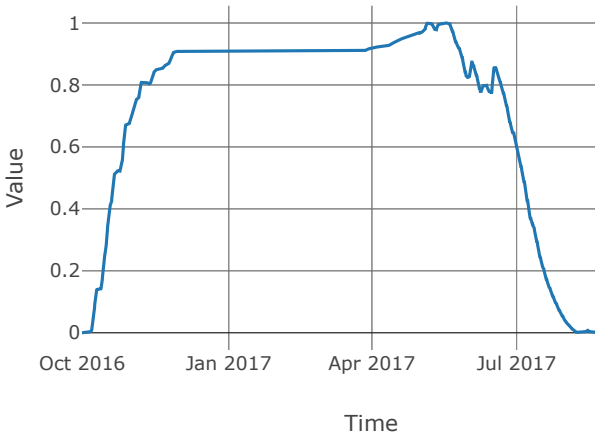
Soil Percolation



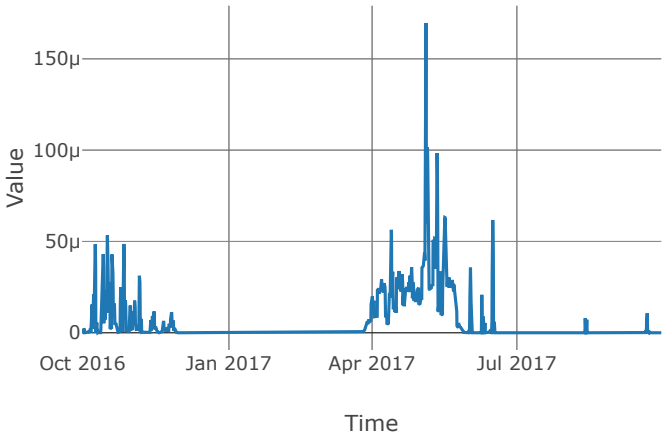
Moisture Deficit



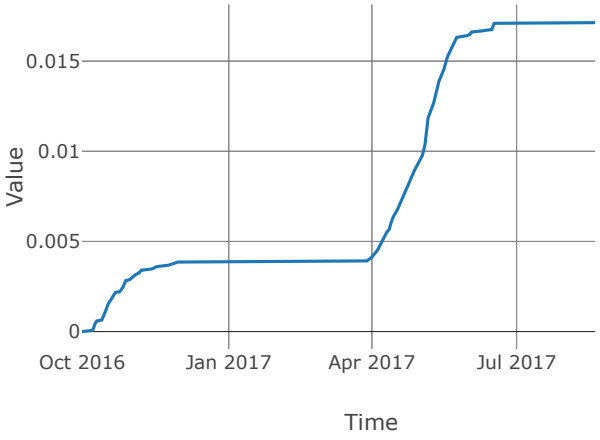
Saturation Fraction



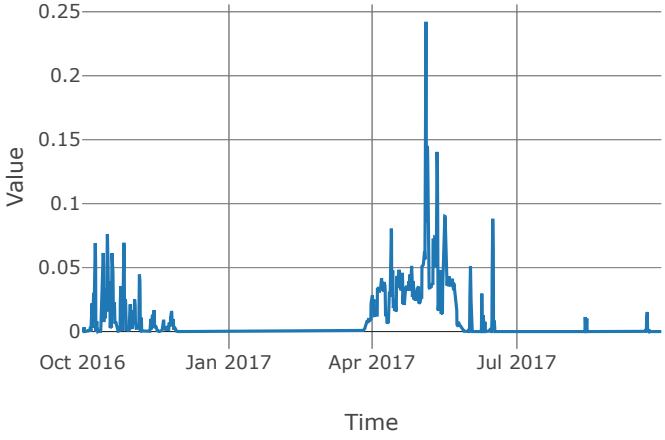
Excess Precipitation



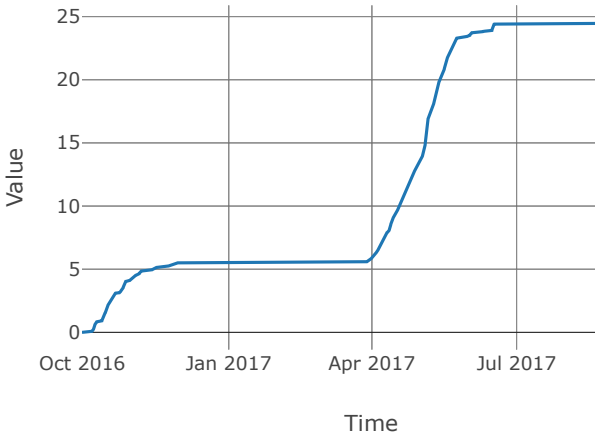
Cumulative Excess Precipitation



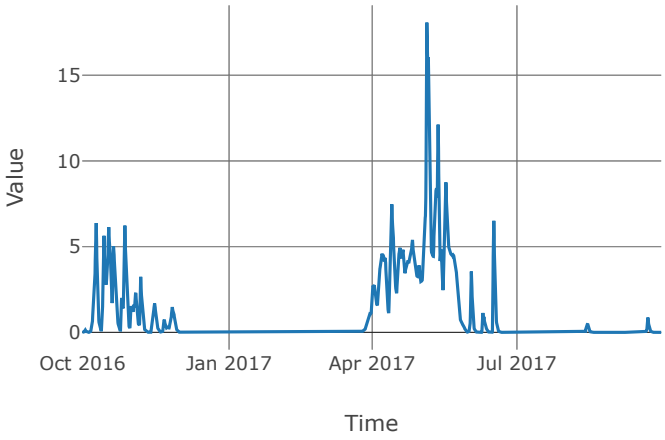
Precipitation Loss



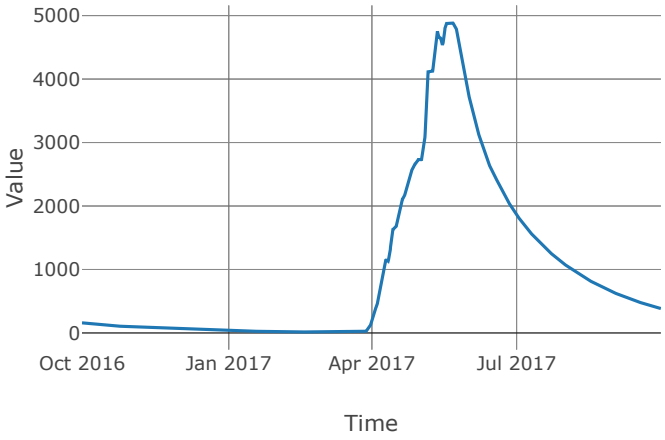
Cumulative Precipitation Loss



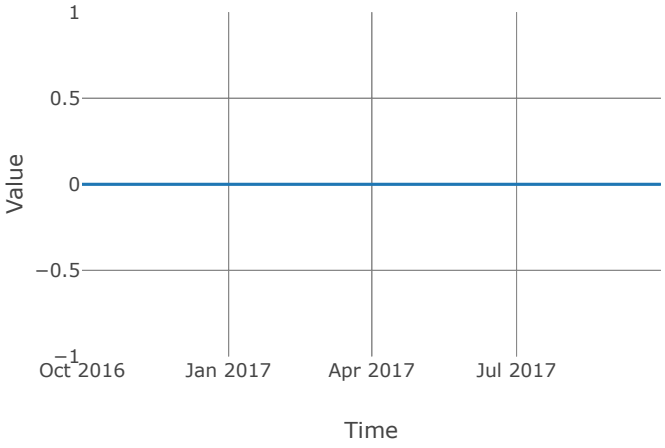
Direct Runoff



Baseflow

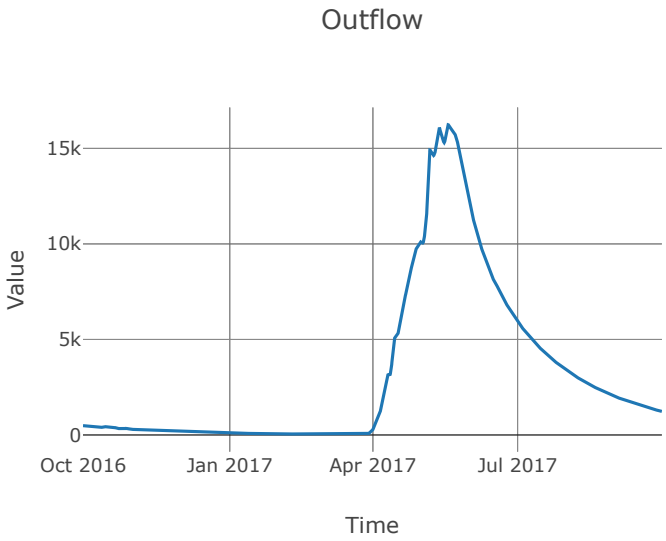


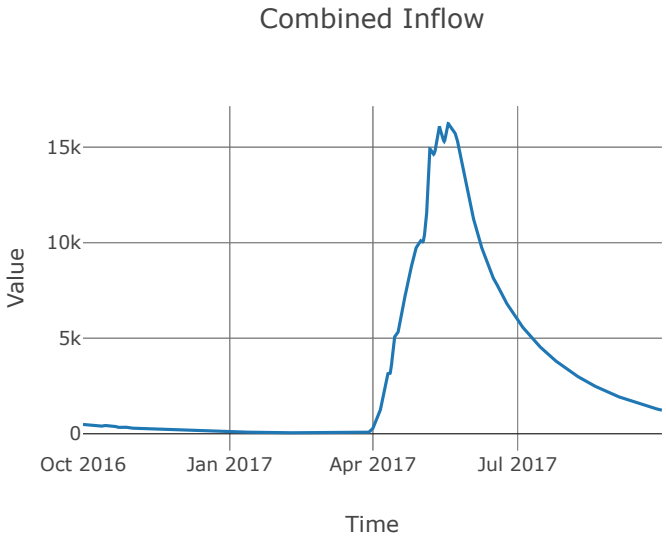
Aquifer Recharge



GranbyRv_CF: Junction

Name : GranbyRv_CF
Downstream : KettleRv_R020
Element Type : Junction



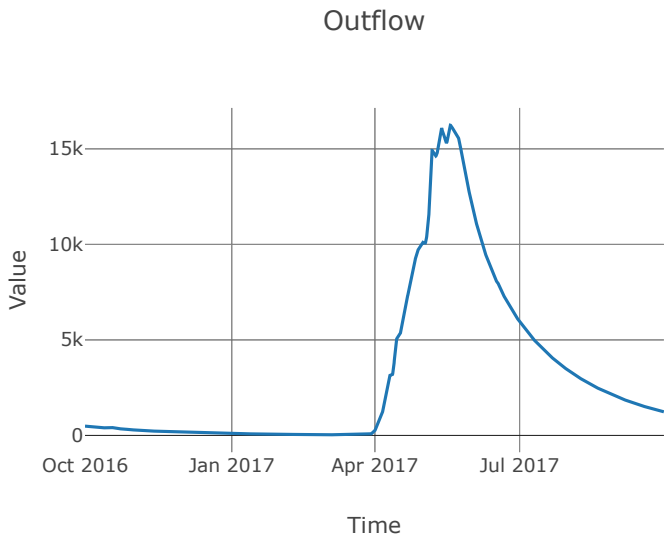


KettleRv_R020: Reach

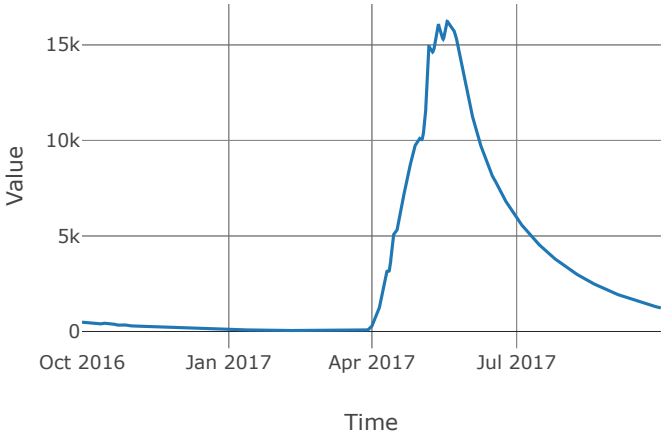
Loss Method : None
Name : KettleRv_R020
Downstream : Kettle Nr Laurier
Element Type : Reach

Route	
Space Time Method	Auto Dx Dt
Method	Muskingum Cunge
Maximum Depth Iterations	20.0
Index Parameter Type	Index Flow
Initial Variable	Combined Inflow
Index Flow	20000.0
Channel Type	Eight Point
Maximum Route Step Iterations	30.0

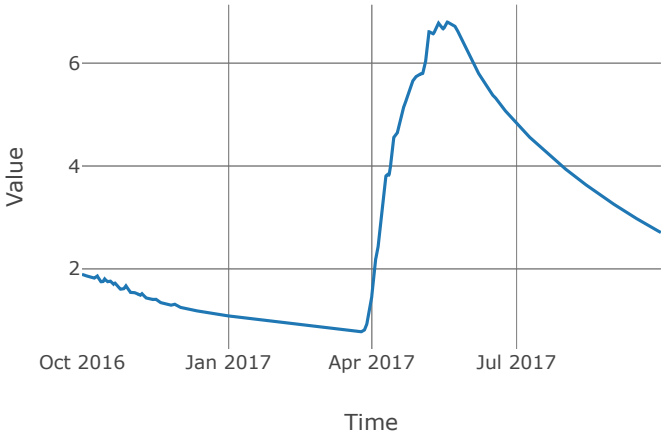
Channel	
Channel Mannings N	0.035
Nvalue Ratio	1.0
Length	113985.0
Max Depth Difference	0.0
Left Mannings N	0.15
Channel Type	Eight Point
manningsN	0.035
Cross Section Name	KettleRv_R020
Energy Slope	0.002083
Right Mannings N	0.15



Combined Inflow



Flow Velocity



ChristinaLk_S010: Subbasin

Area : 201.66
Latitude : 49.15423852553401
Downstream : ChristinaLk_IN
Name : ChristinaLk_S010
Element Type : Subbasin
Longitude : 118.2023487068283

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	4.94
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	5.49
Storage Coefficient	5.49

Baseflow

Method	Linear Reservoir

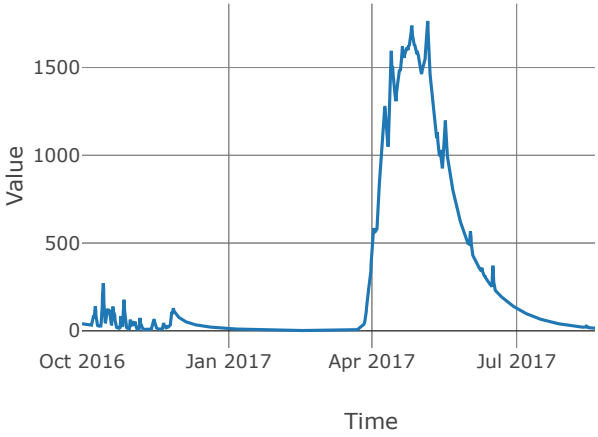
Baseflow Layer List

Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	109.8
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.2
Layer Number 2	2
Storage Coefficient 2	549.0
Number Steps 2	1.0

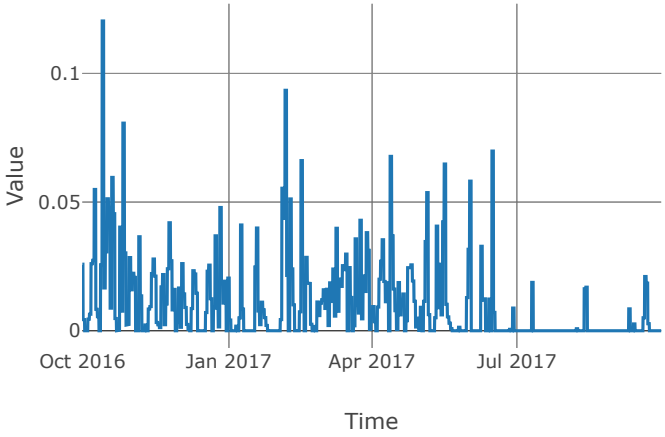
Statistics

Name	Value	Unit
Baseflow Volume	161258.3379929	Ac-ft
Precipitation Volume	331322.4045599	Ac-ft
Loss Volume	235639.7354008	Ac-ft
Excess Volume	12245.5322205	Ac-ft

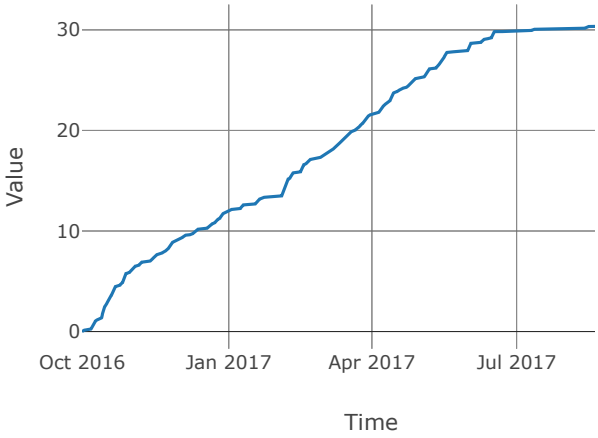
Outflow



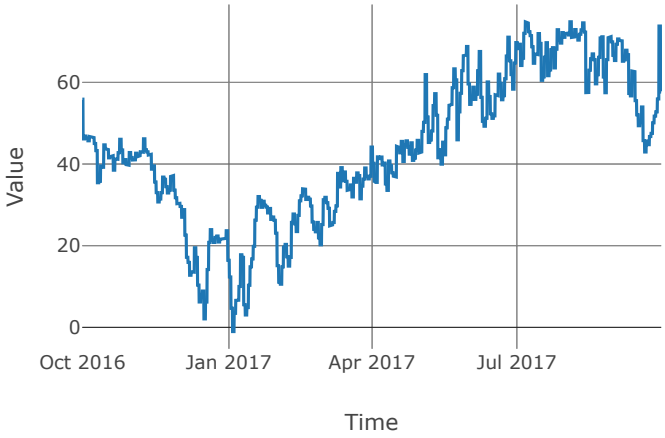
Precipitation



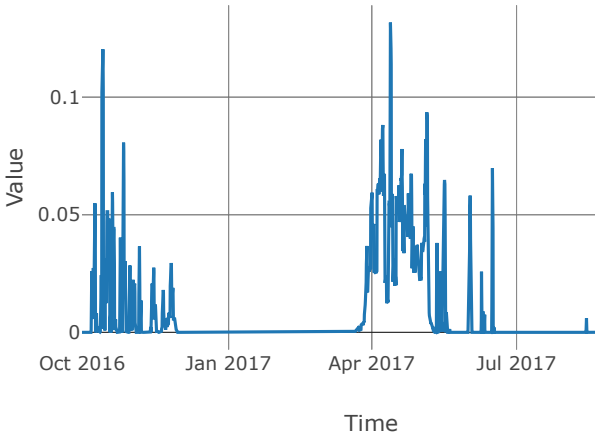
Cumulative Precipitation



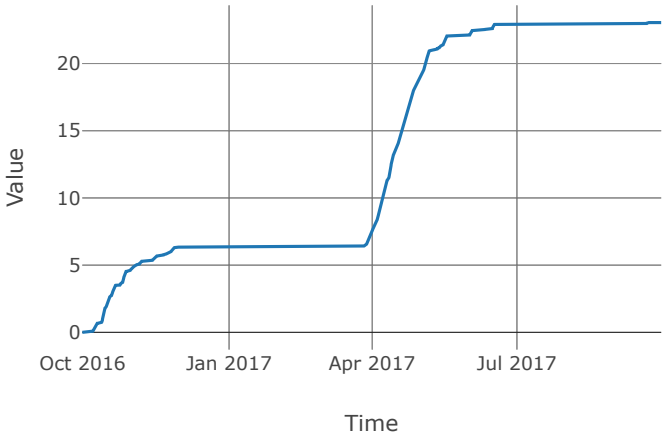
Air Temperature



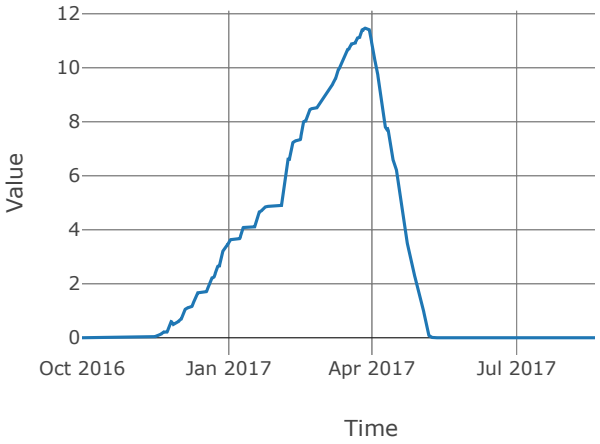
Liquid Water at Soil Surface



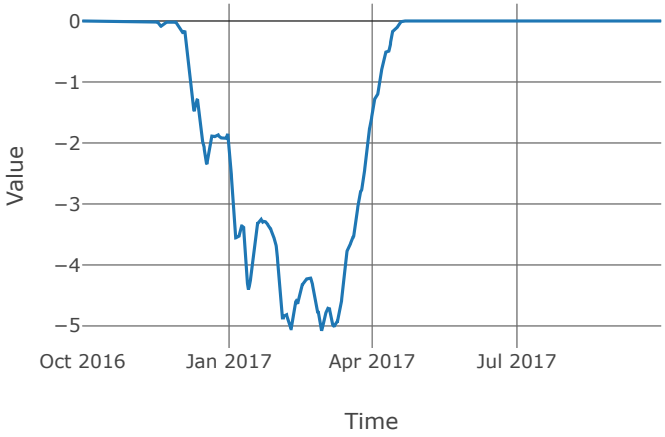
Cumulative LWASS



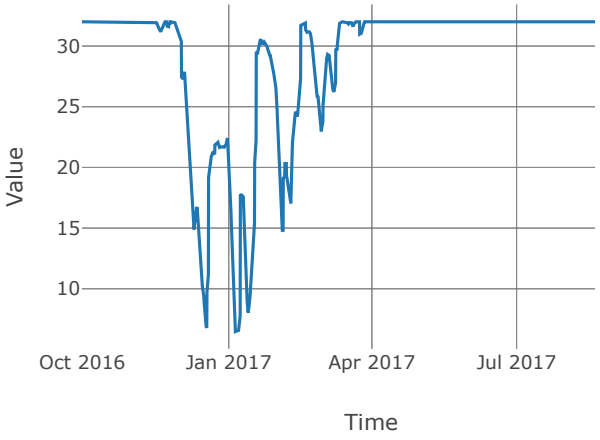
Snow Water Equivalent



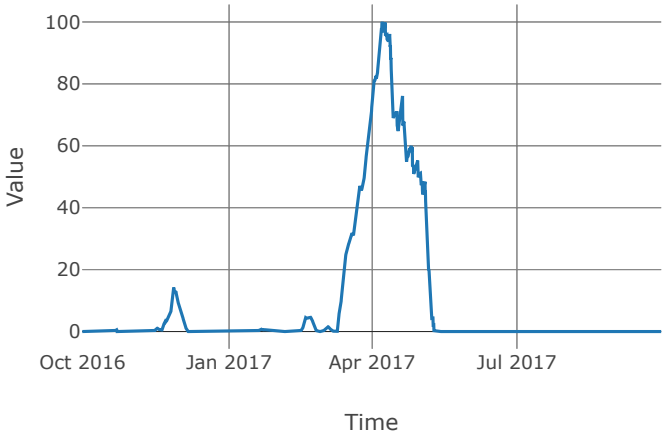
Cold Content



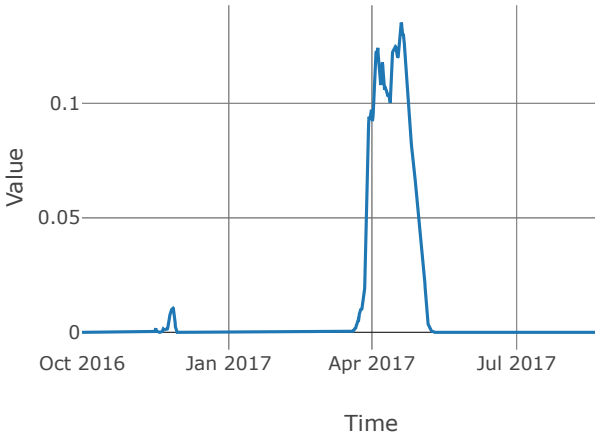
Cold Content ATI



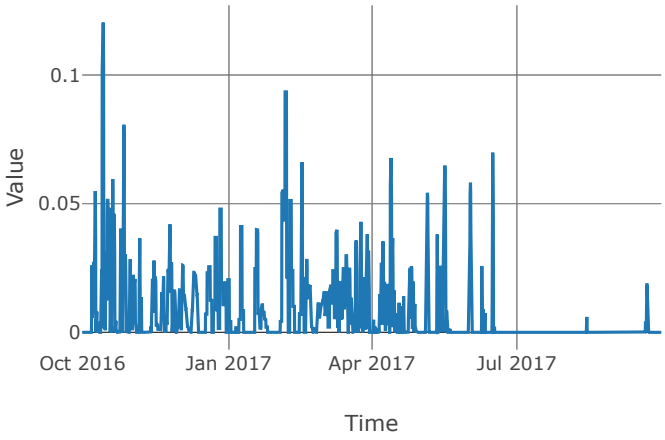
Melt Rate ATI



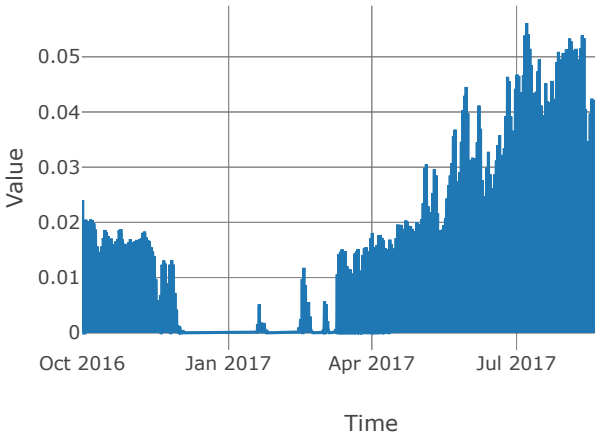
Liquid Water Content



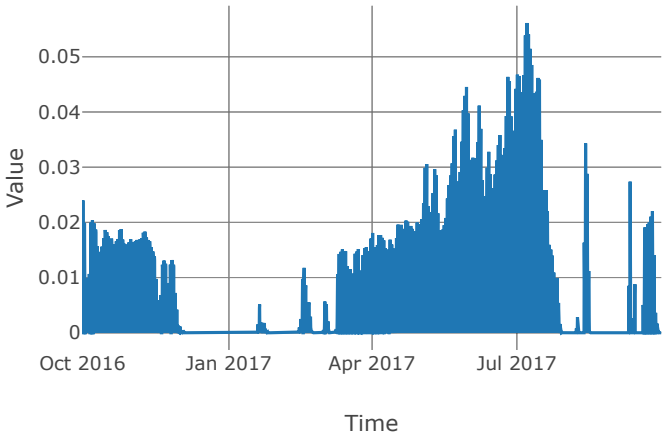
Canopy Overflow



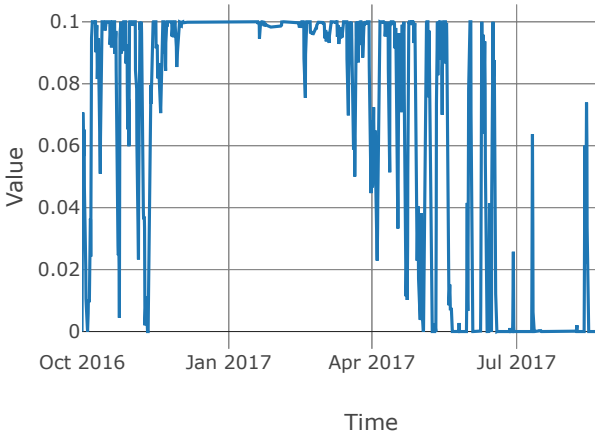
Potential Evapotranspiration



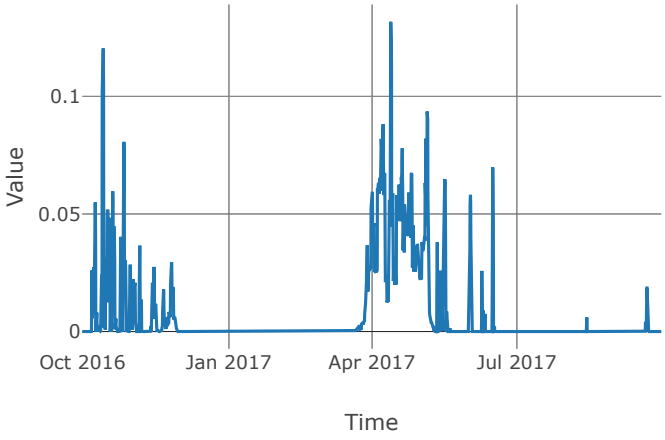
Canopy Evapotranspiration



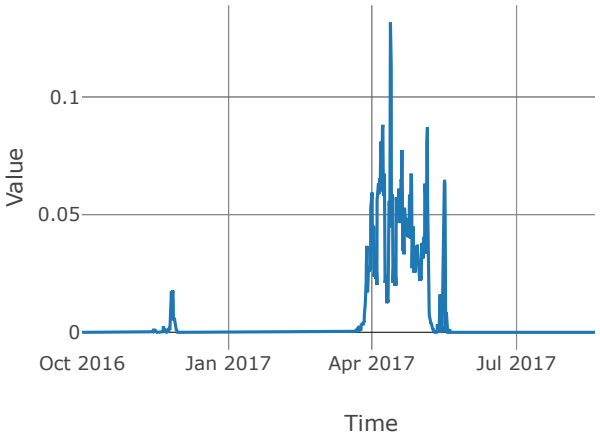
Canopy Storage



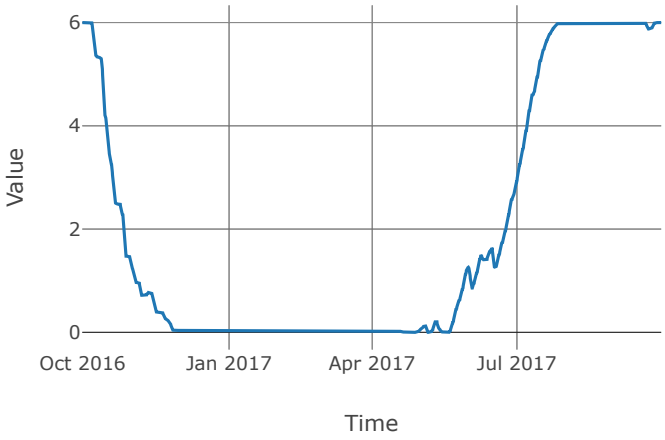
Soil Infiltration



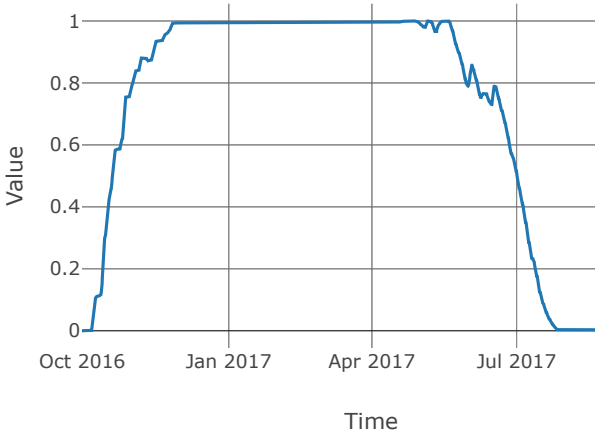
Soil Percolation



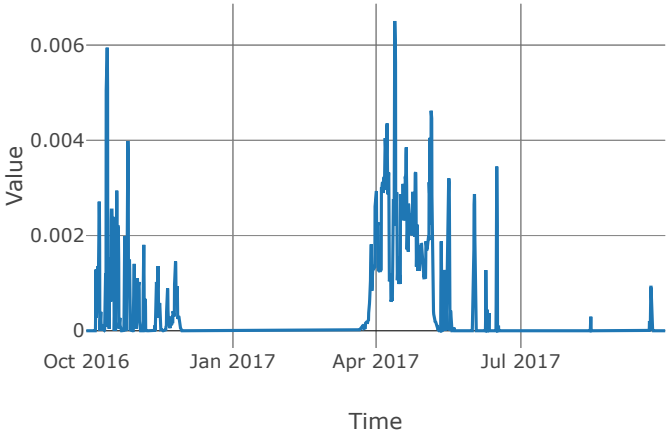
Moisture Deficit



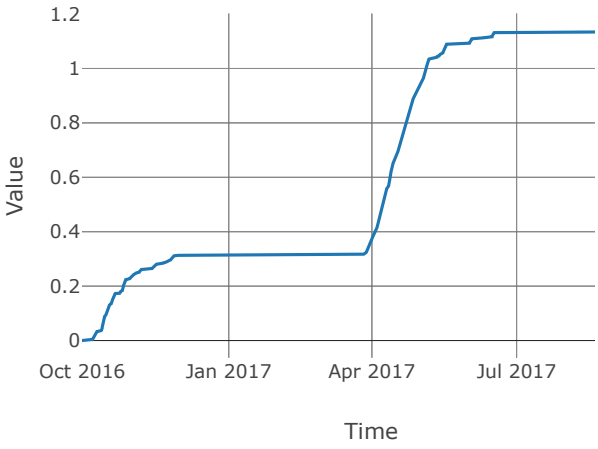
Saturation Fraction



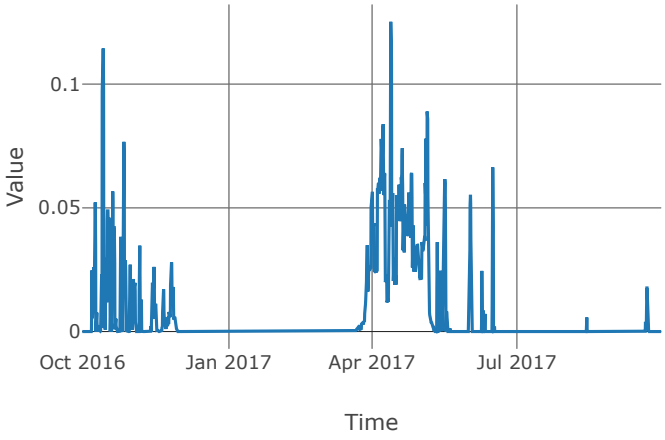
Excess Precipitation



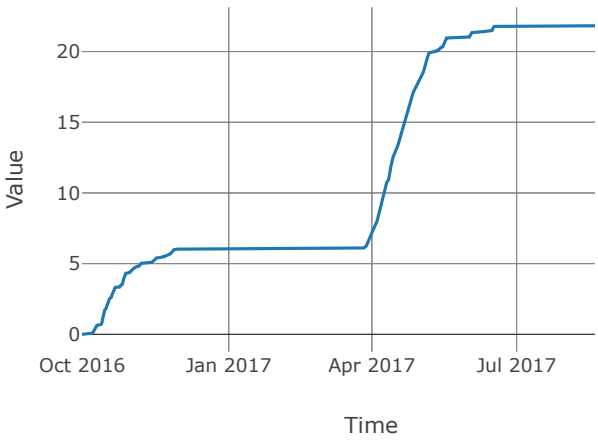
Cumulative Excess Precipitation



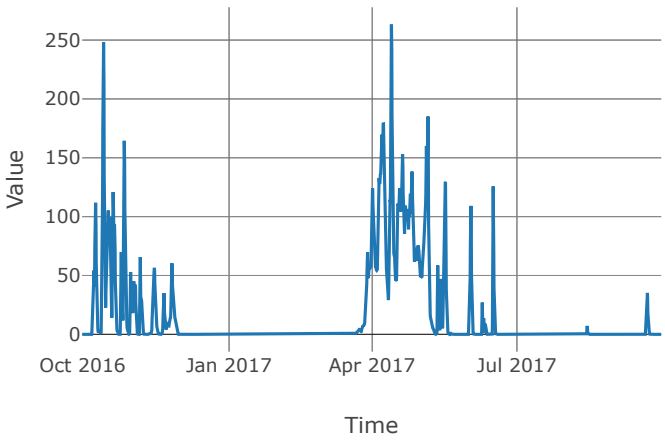
Precipitation Loss



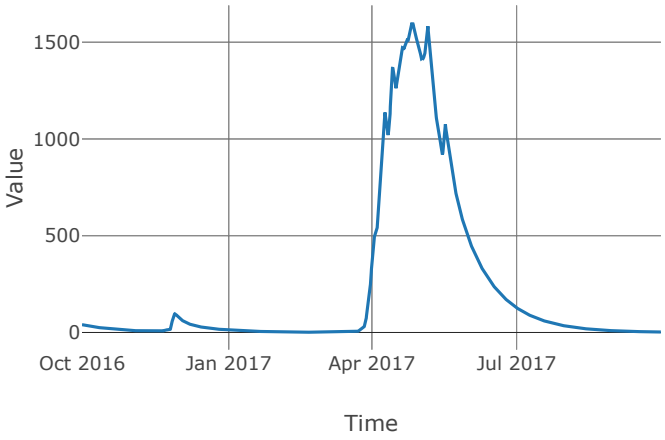
Cumulative Precipitation Loss



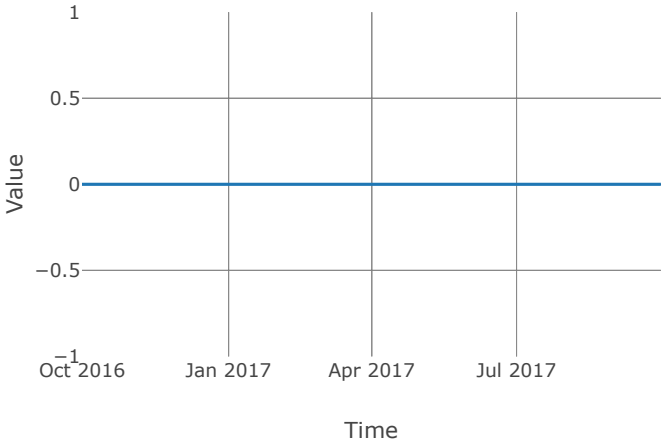
Direct Runoff



Baseflow

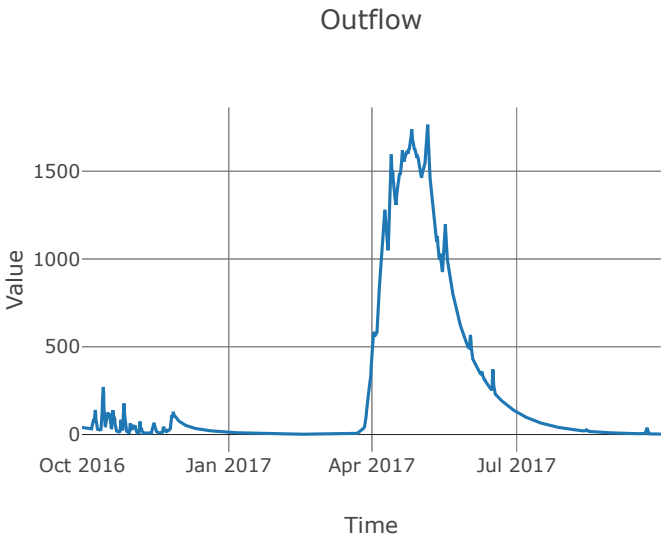


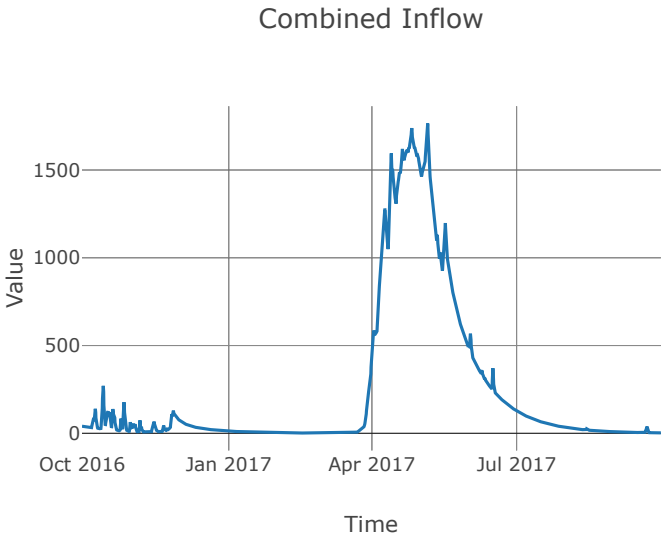
Aquifer Recharge



ChristinaLk_IN: Junction

Name : ChristinaLk_IN
Downstream : Christina Lk
Element Type : Junction





BigSheepCk_S010: Subbasin

Area : 140.26
Latitude : 49.152450423493
Downstream : Big Sheep Ck
Name : BigSheepCk_S010
Element Type : Subbasin
Longitude : 117.982303741726

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.13
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	5.83
Storage Coefficient	5.83

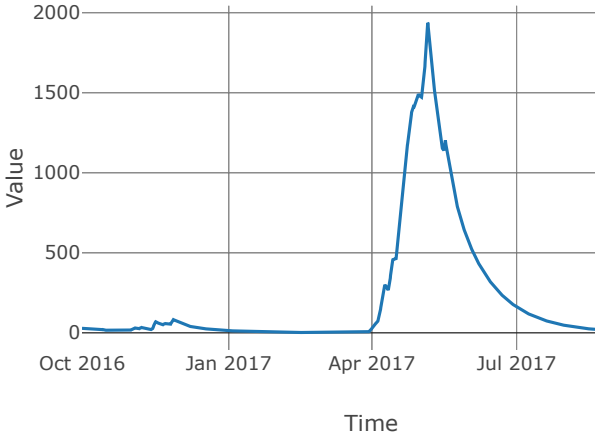
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	116.6
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.2
Layer Number 2	2
Storage Coefficient 2	583.0
Number Steps 2	1.0

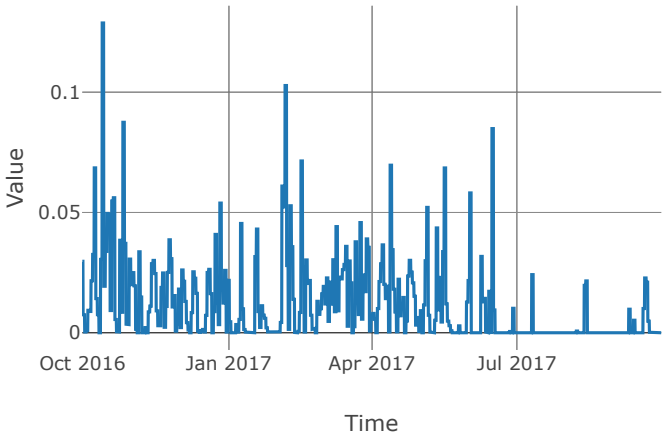
Statistics

Name	Value	Unit
Baseflow Volume	145091.6551842	Ac-ft
Precipitation Volume	256385.1428216	Ac-ft
Loss Volume	200182.2260497	Ac-ft
Excess Volume	260.5756422	Ac-ft

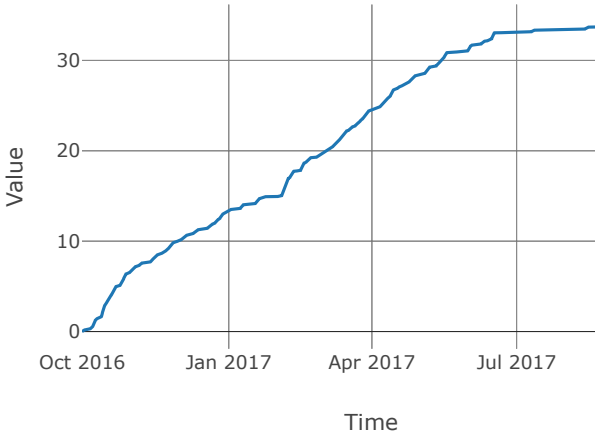
Outflow



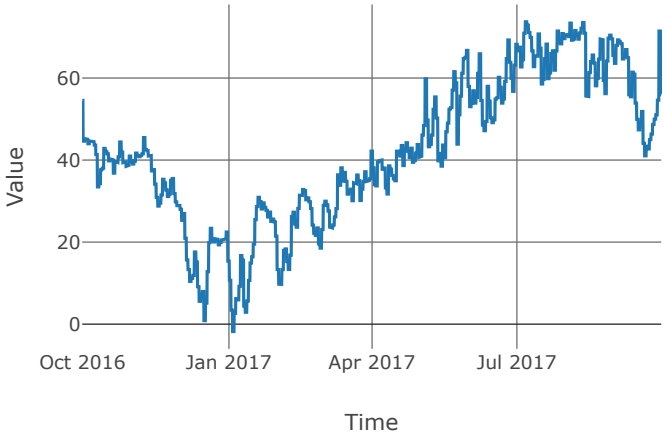
Precipitation



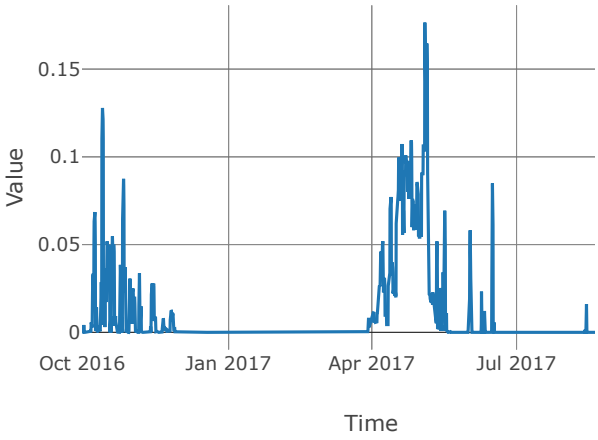
Cumulative Precipitation



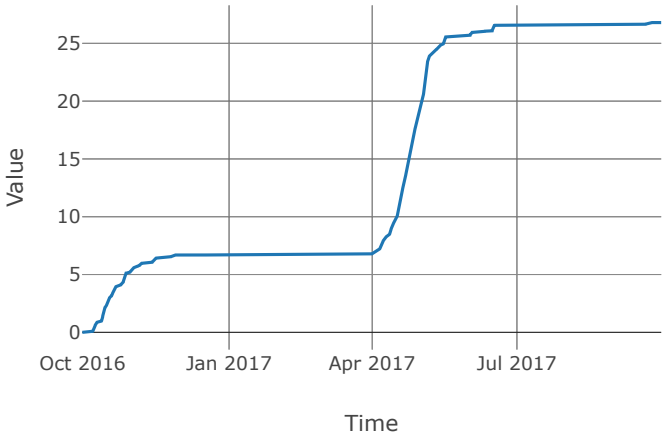
Air Temperature



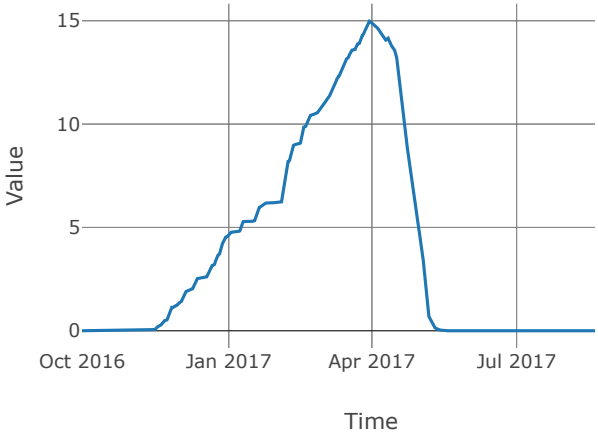
Liquid Water at Soil Surface



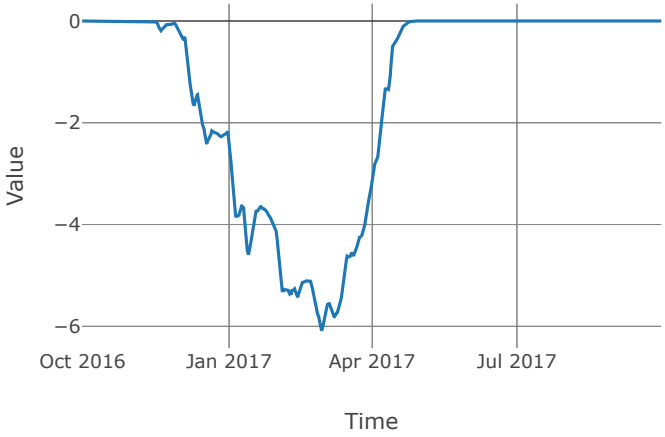
Cumulative LWASS



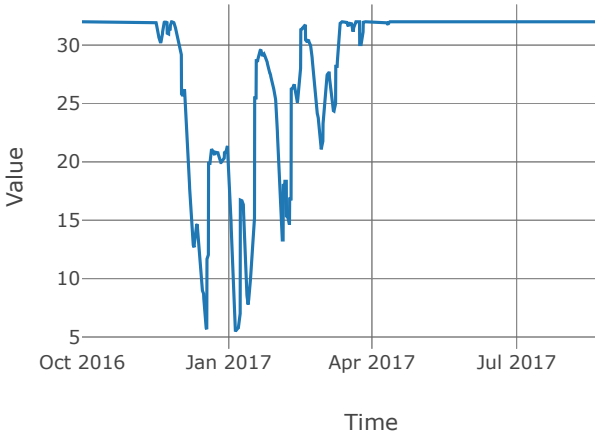
Snow Water Equivalent



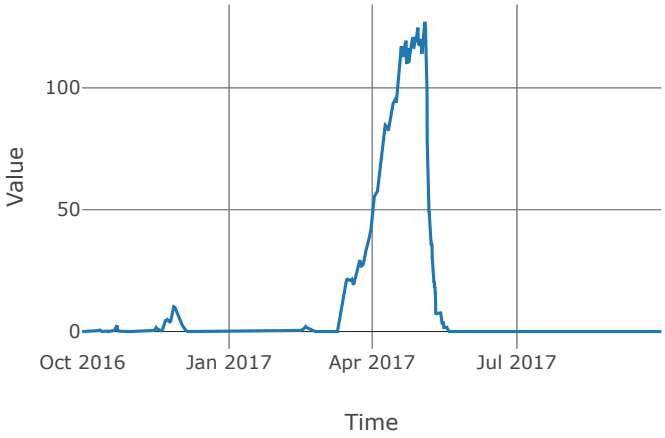
Cold Content



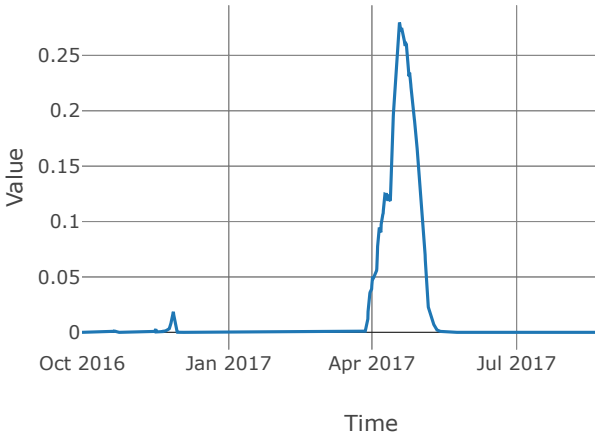
Cold Content ATI



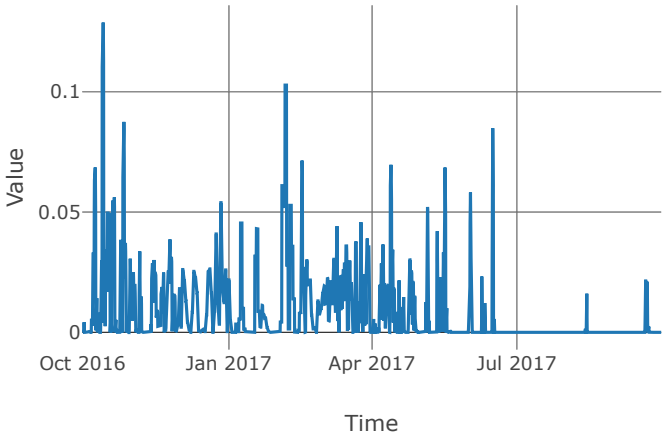
Melt Rate ATI



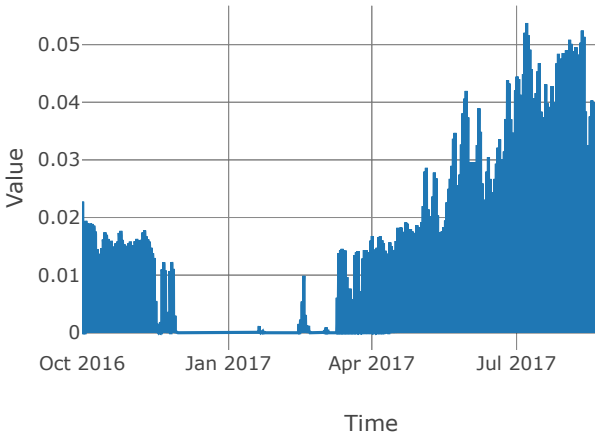
Liquid Water Content



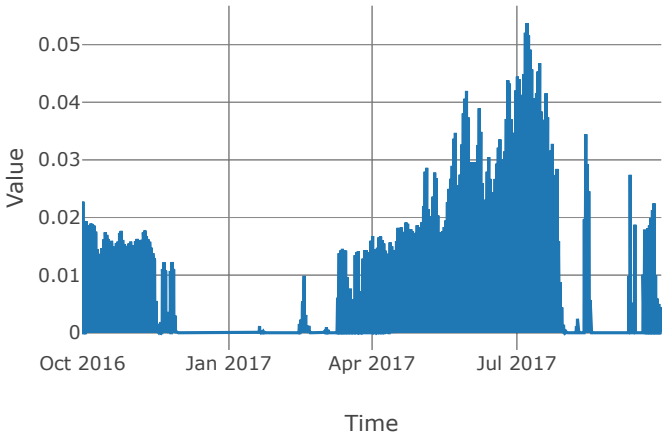
Canopy Overflow



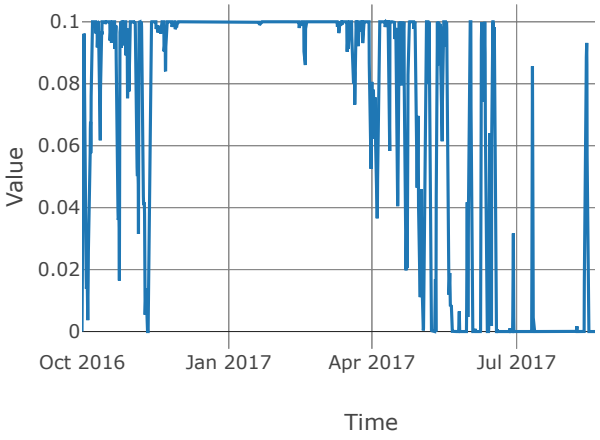
Potential Evapotranspiration



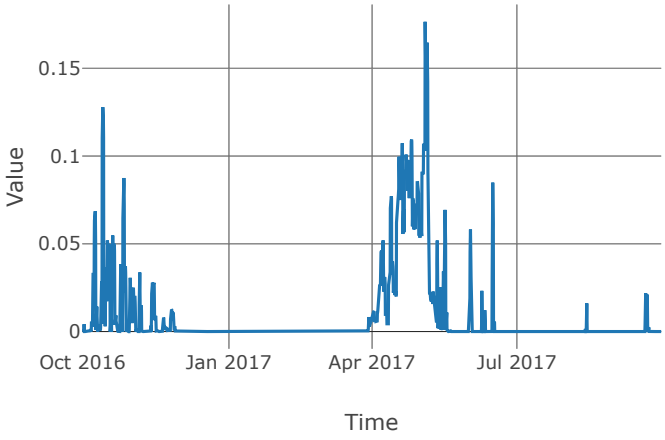
Canopy Evapotranspiration



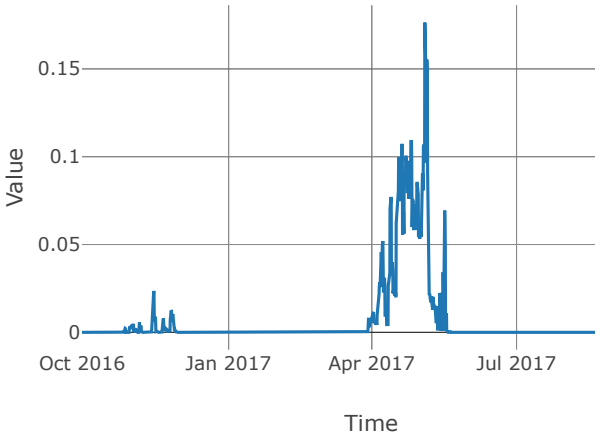
Canopy Storage



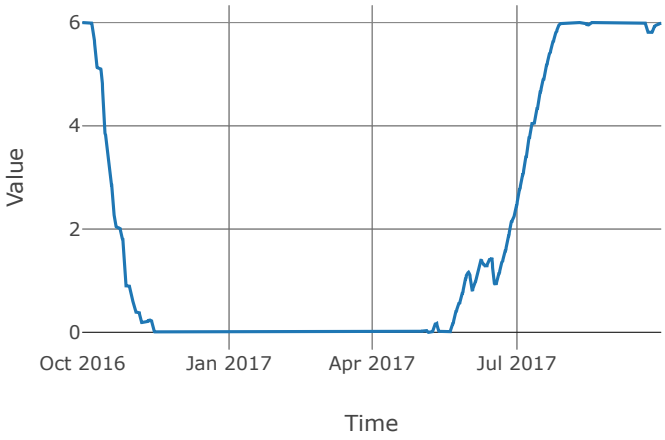
Soil Infiltration



Soil Percolation

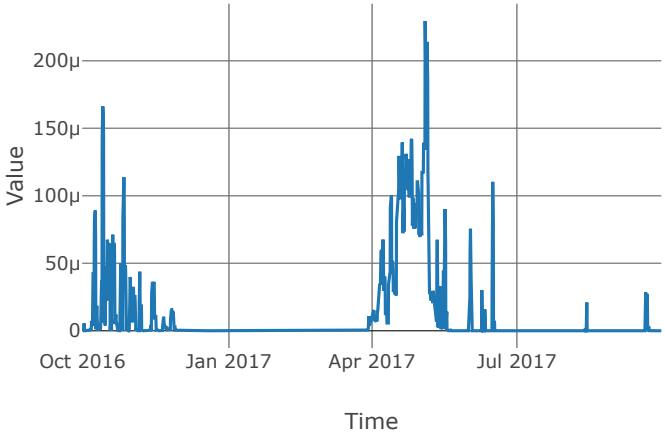


Moisture Deficit

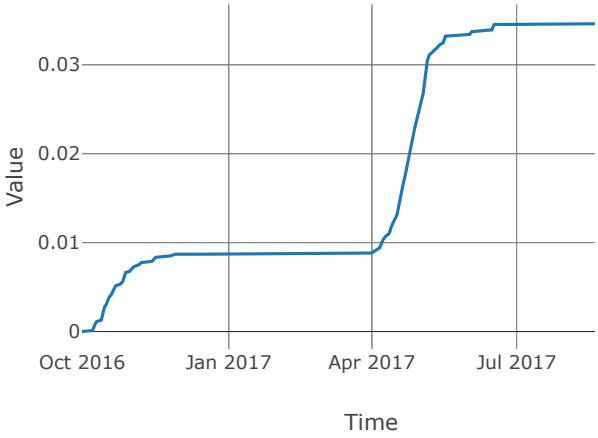


Saturation Fraction

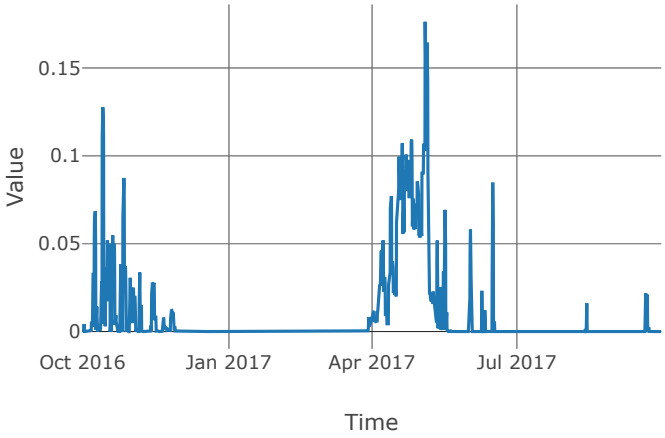
Excess Precipitation



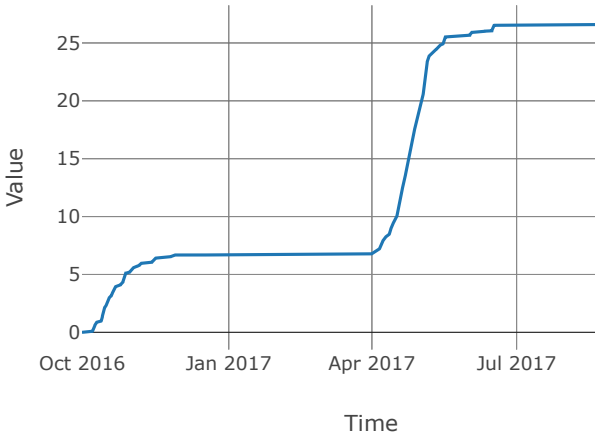
Cumulative Excess Precipitation



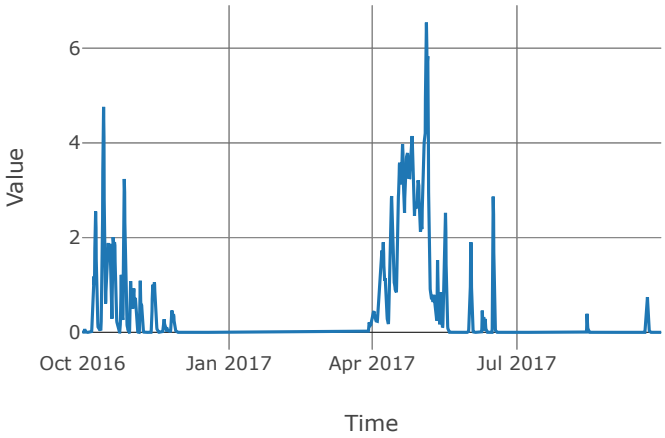
Precipitation Loss



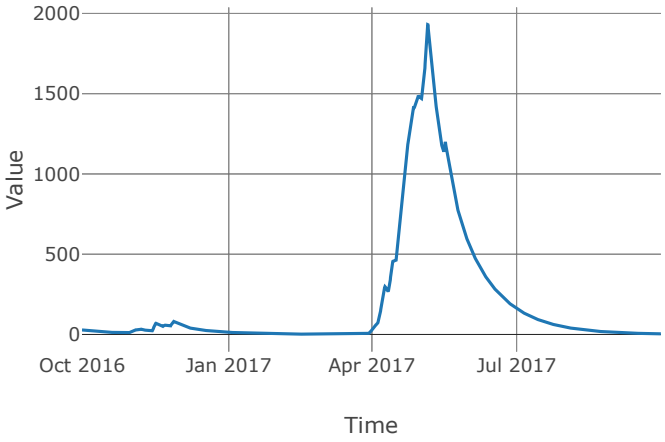
Cumulative Precipitation Loss



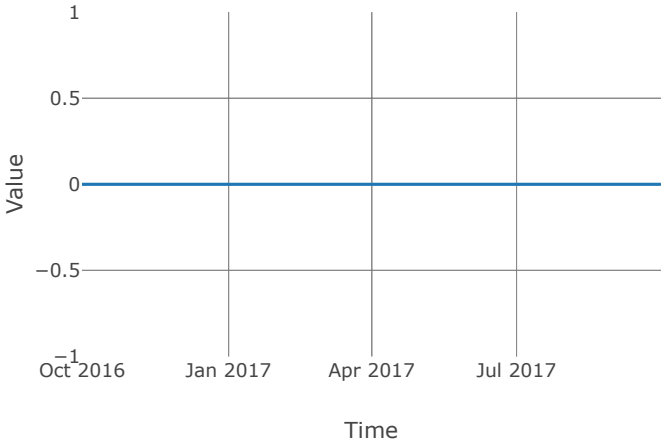
Direct Runoff



Baseflow



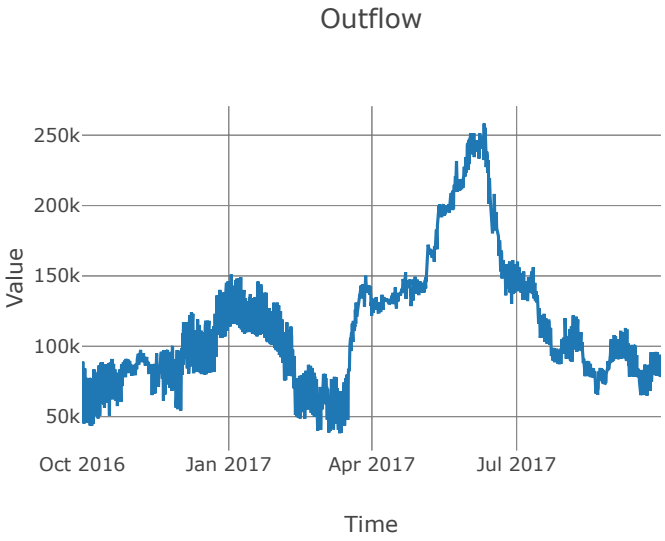
Aquifer Recharge

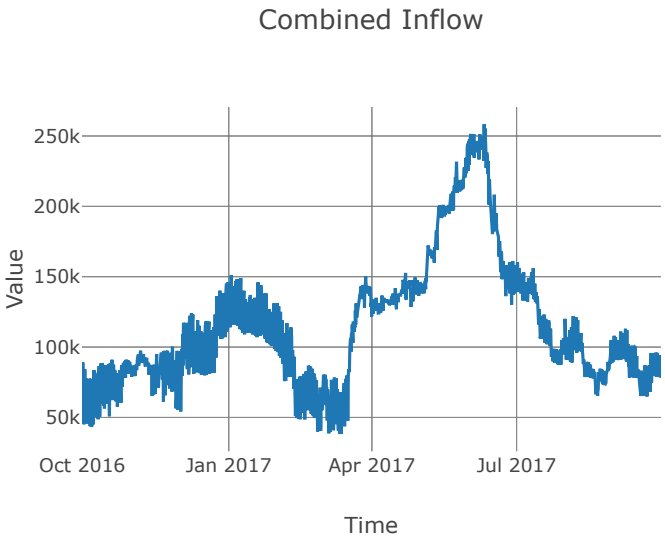


MidColumbia_R115: Reach

Loss Method : None
Name : MidColumbia_R115
Downstream : BigSheepCk_CF
Element Type : Reach

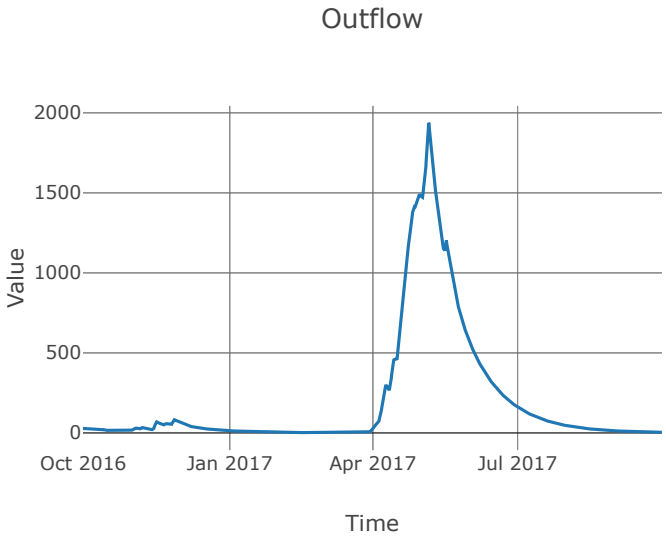
Route	
Method	Route None
Initial Variable	Combined Inflow
Channel Type	Unknown

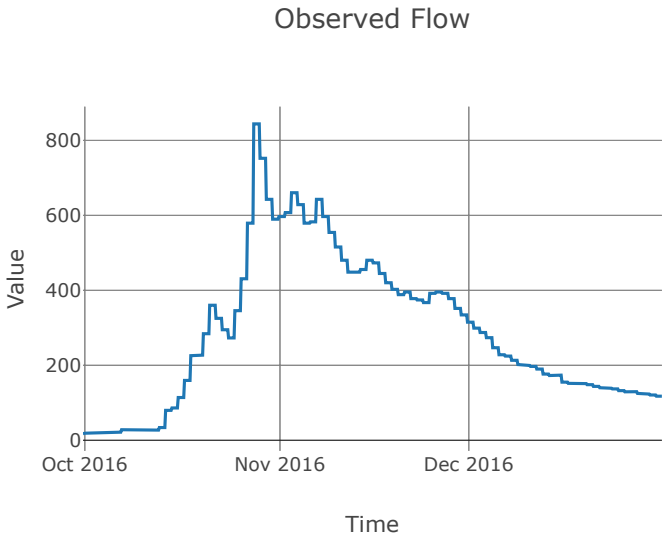


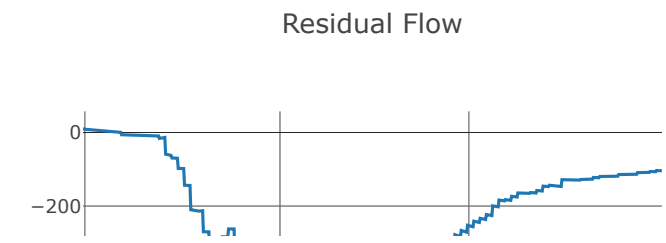


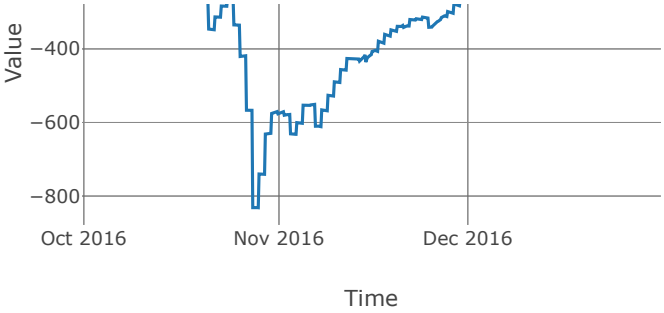
BigSheepCk: Junction

Name : Big Sheep Ck
Downstream : BigSheepCk_CF
Element Type : Junction
Observed Hydrograph : Big sheep creek near rosslan

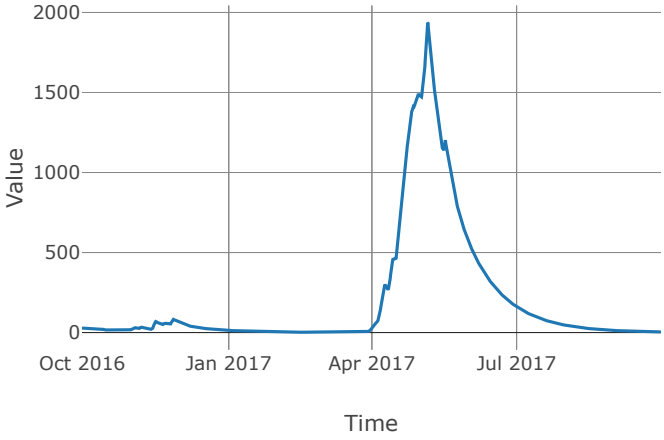








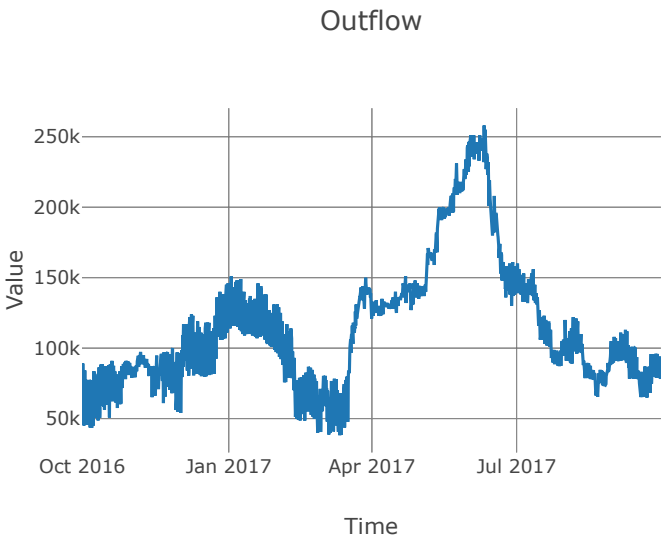
Combined Inflow

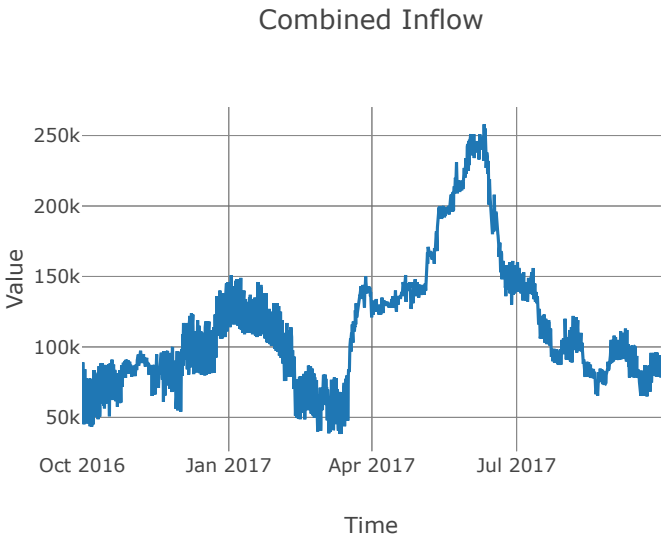


MidColumbia_R120: Reach

Loss Method : None
Name : MidColumbia_R120
Downstream : ColumbiaRv_IntlB
Element Type : Reach

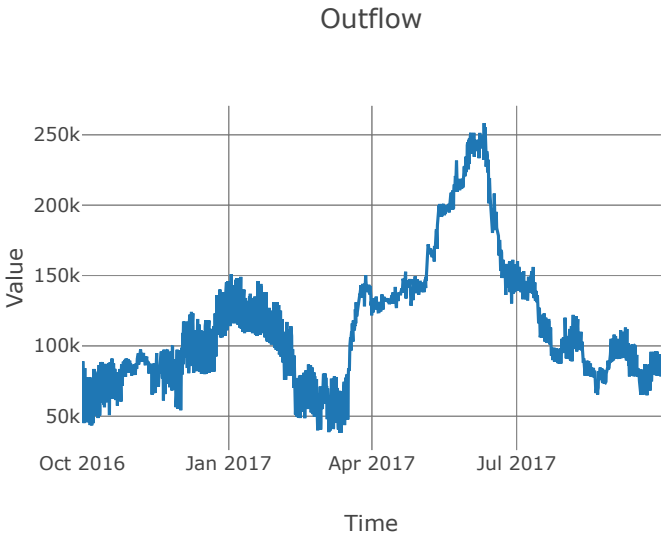
	Route
Method	Route None
Initial Variable	Combined Inflow
Channel Type	Unknown

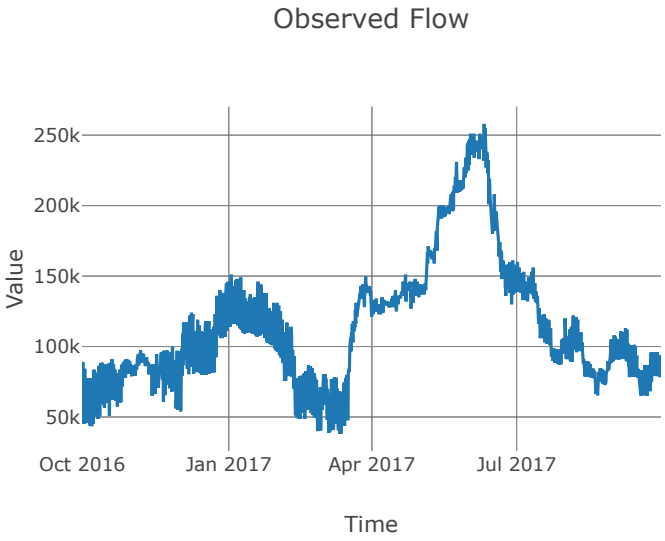


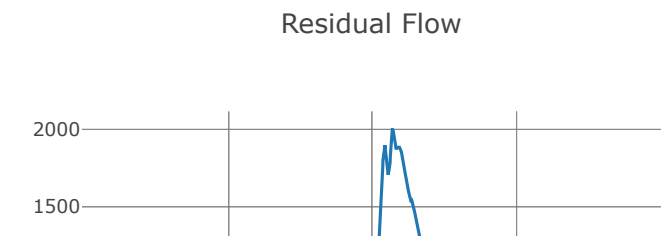


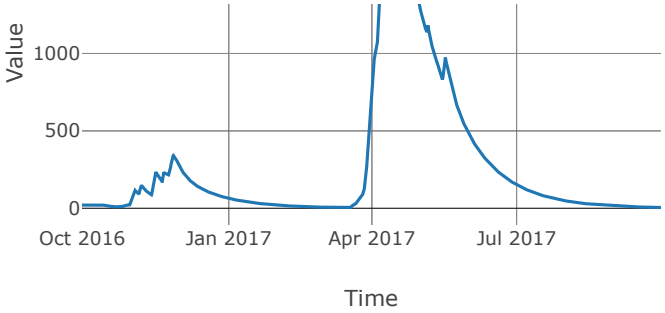
ColumbiaRv_IntlB: Junction

Name : ColumbiaRv_IntlB
Downstream : MidColumbia_R115
Element Type : Junction
Observed Hydrograph : Columbia river at intl bound

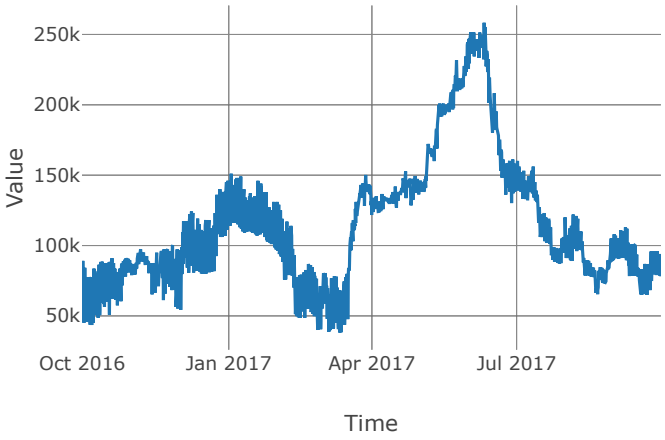








Combined Inflow



MidColumbia_S120: Subbasin

Area : 208.51
Latitude : 49.12694444444445
Downstream : ColumbiaRv_IntlB
Name : MidColumbia_S120
Element Type : Subbasin
Longitude : 117.60333333333332

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.11
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	6.38
Storage Coefficient	6.38

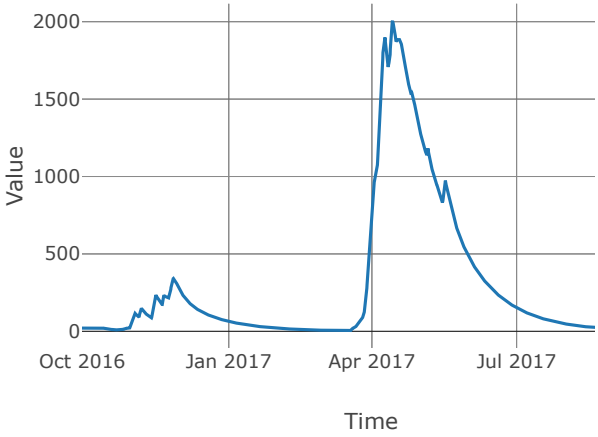
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	127.6
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.1
Layer Number 2	2
Storage Coefficient 2	638.0
Number Steps 2	1.0

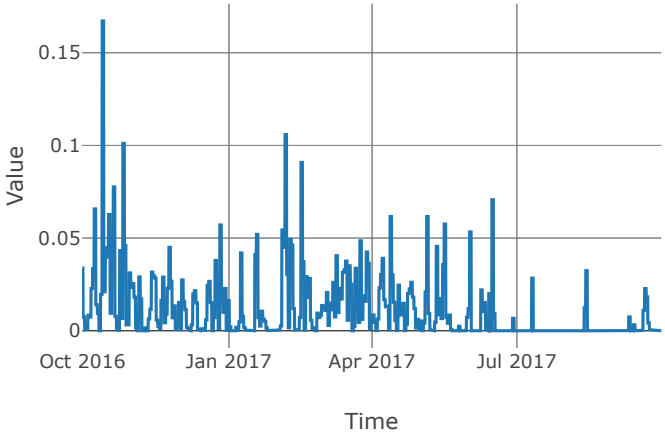
Statistics

Name	Value	Unit
Baseflow Volume	200529.6292568	Ac-ft
Precipitation Volume	375203.2435105	Ac-ft
Loss Volume	282163.1812473	Ac-ft
Excess Volume	310.7212928	Ac-ft

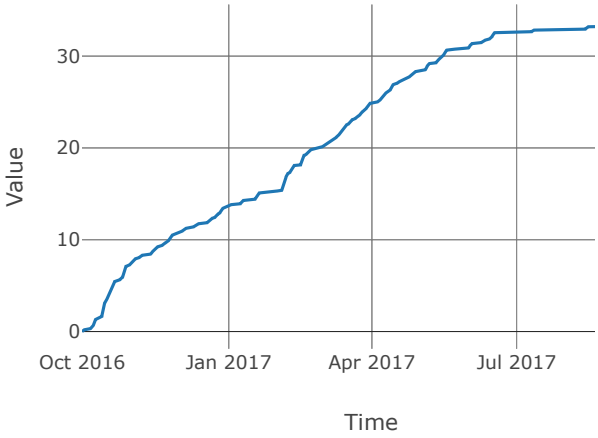
Outflow



Precipitation

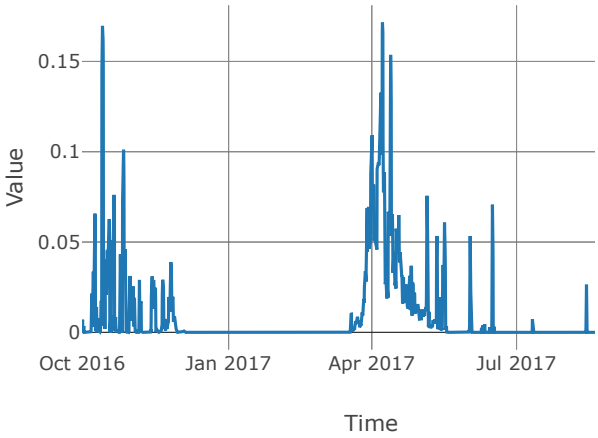


Cumulative Precipitation

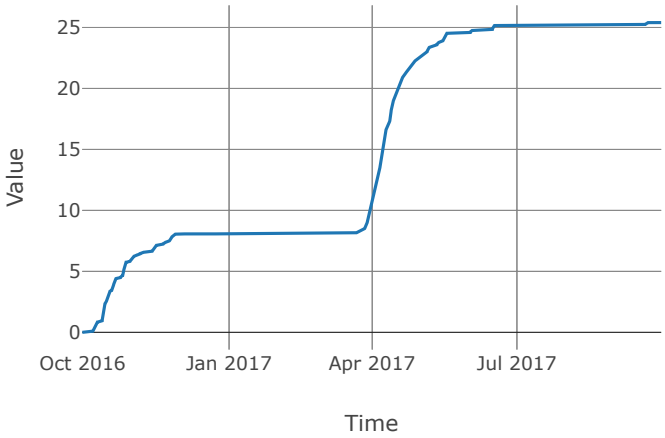


Air Temperature

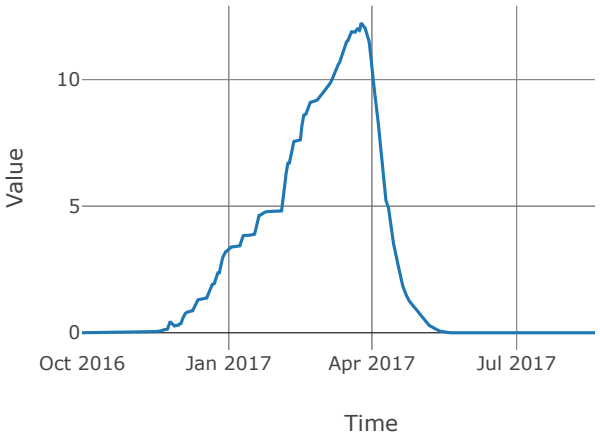
Liquid Water at Soil Surface



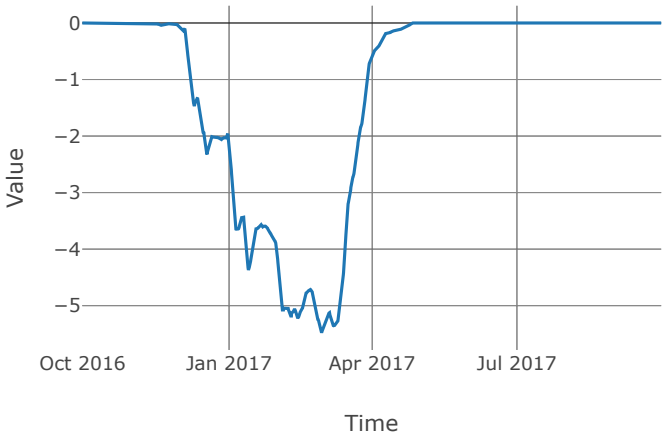
Cumulative LWASS



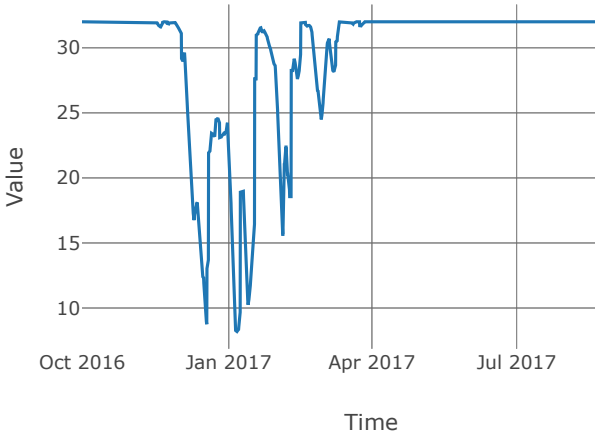
Snow Water Equivalent



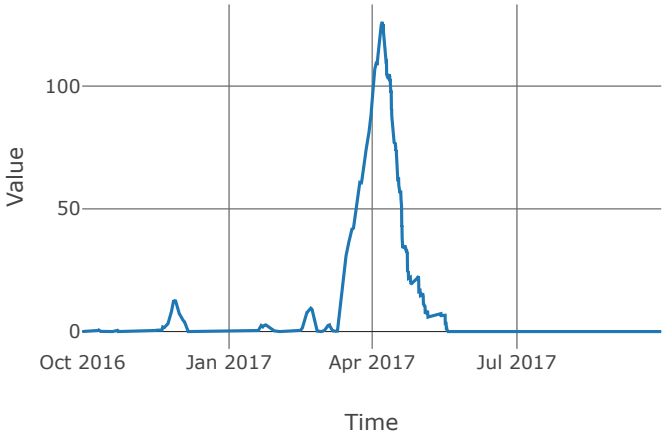
Cold Content



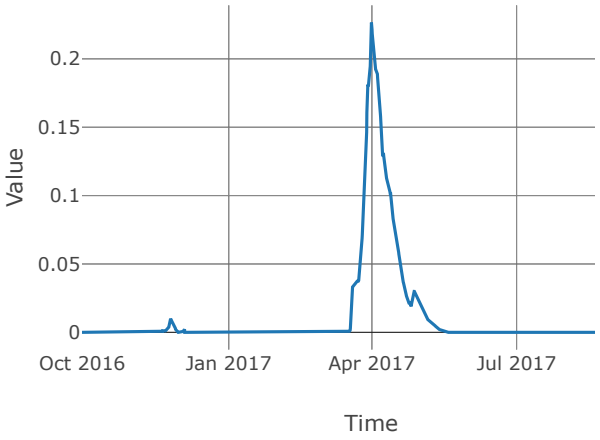
Cold Content ATI



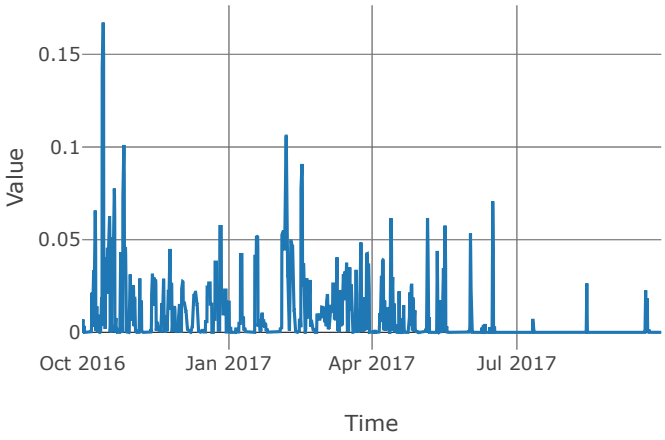
Melt Rate ATI



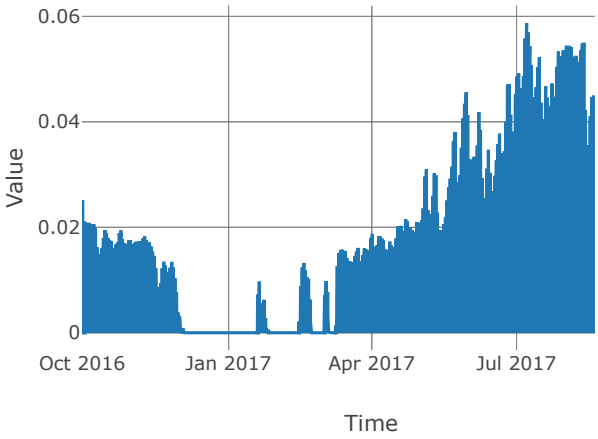
Liquid Water Content



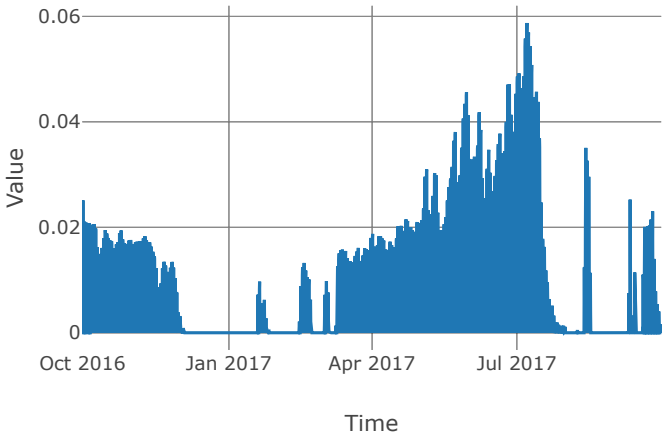
Canopy Overflow



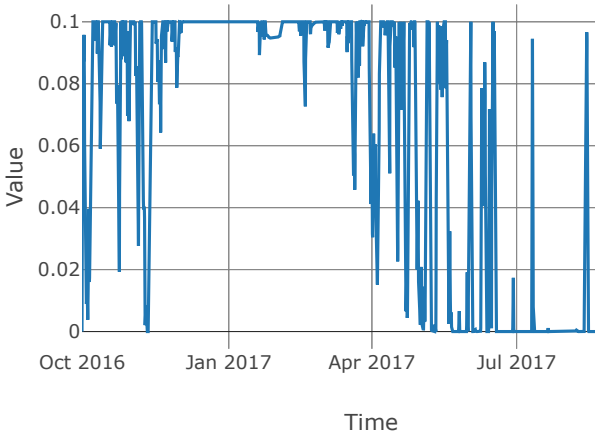
Potential Evapotranspiration



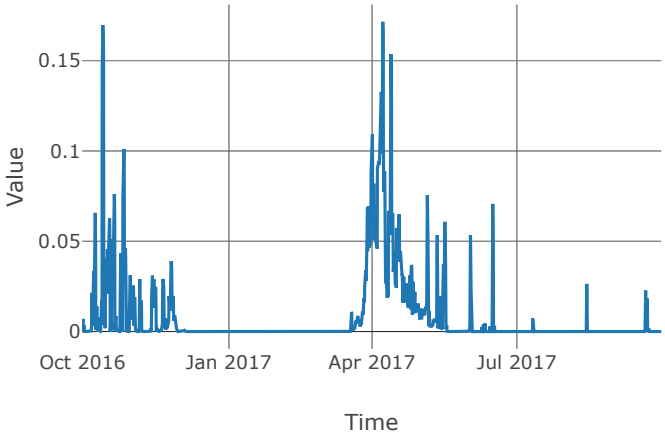
Canopy Evapotranspiration



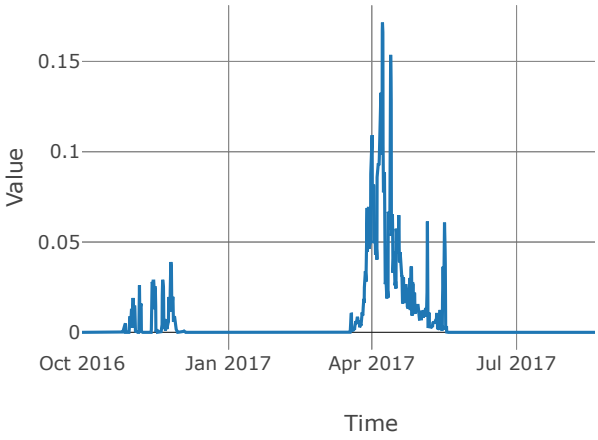
Canopy Storage



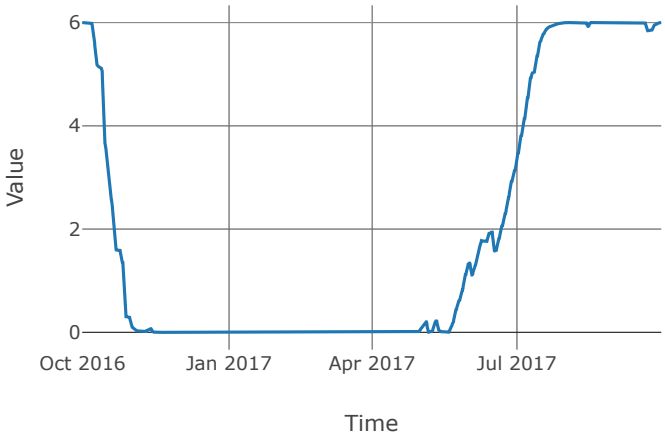
Soil Infiltration



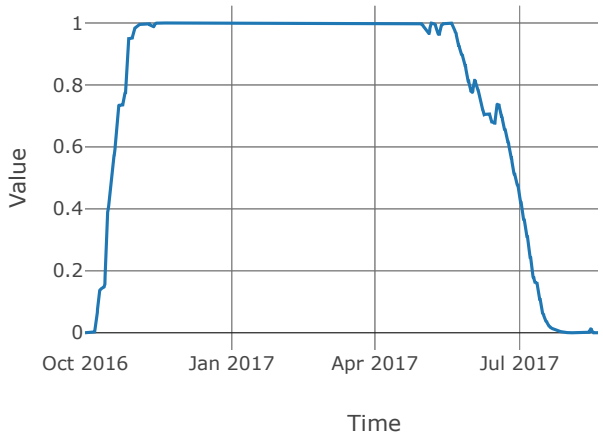
Soil Percolation



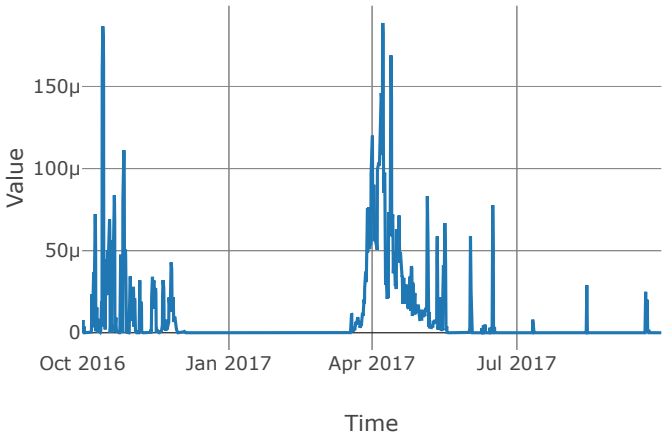
Moisture Deficit



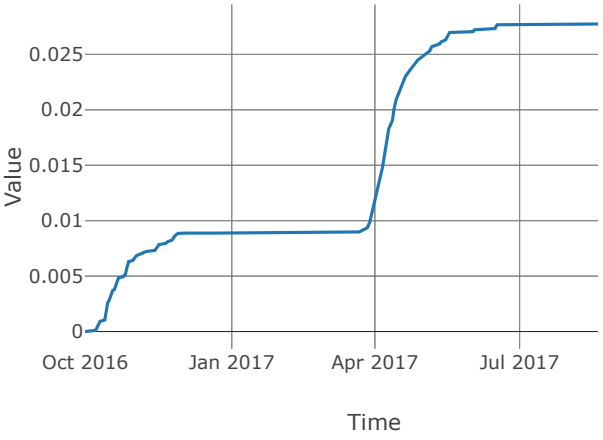
Saturation Fraction



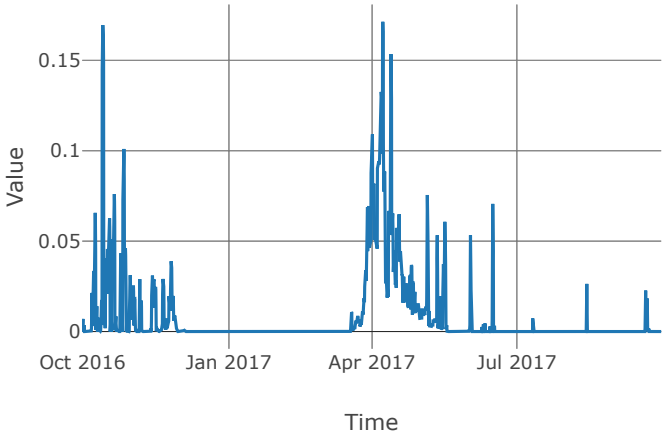
Excess Precipitation



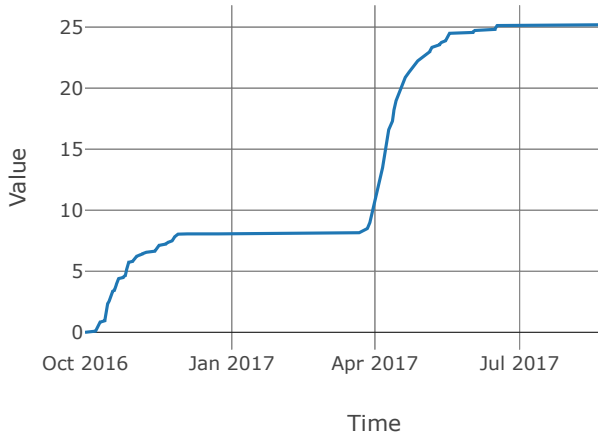
Cumulative Excess Precipitation



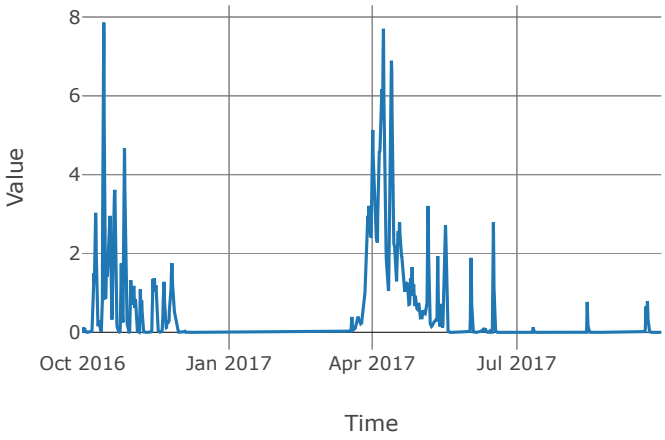
Precipitation Loss



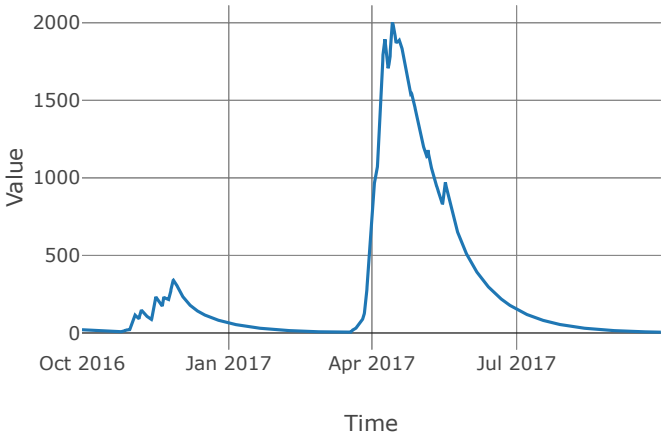
Cumulative Precipitation Loss



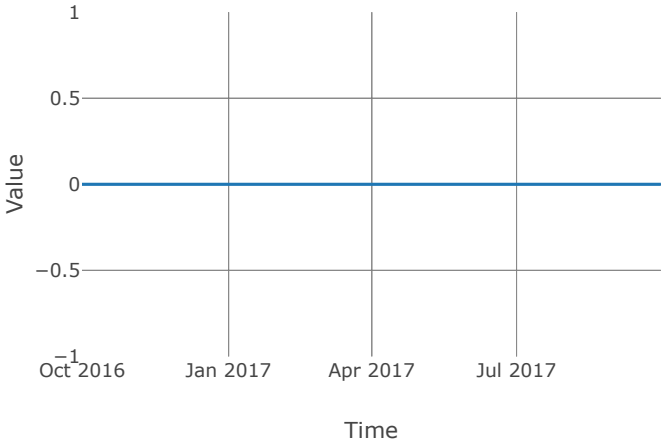
Direct Runoff



Baseflow

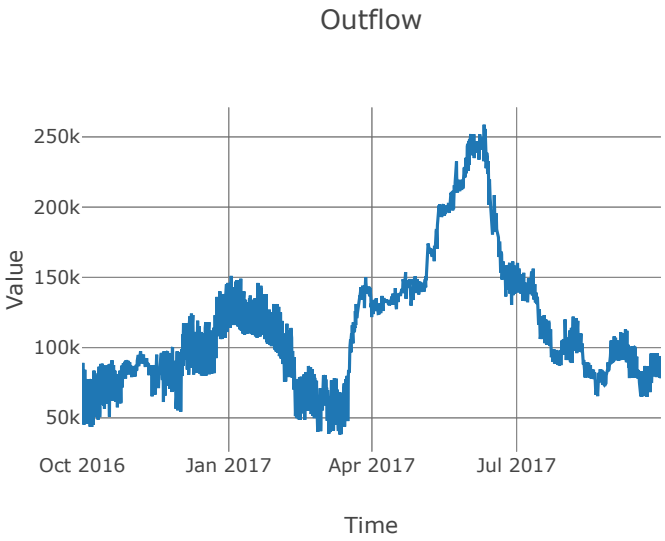


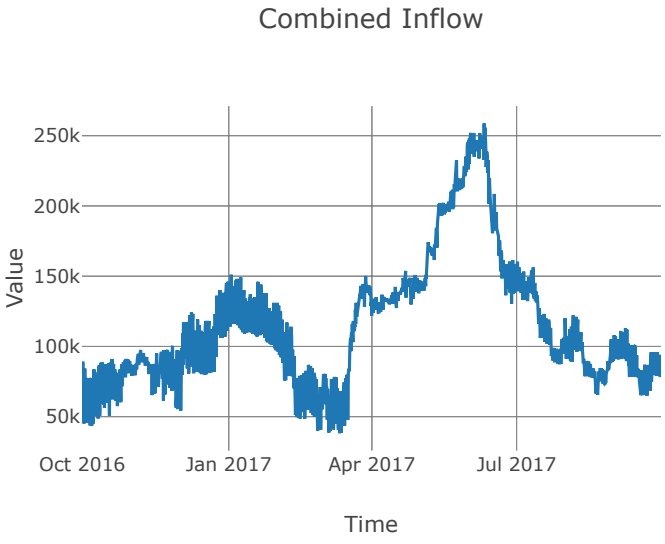
Aquifer Recharge



BigSheepCk_CF: Junction

Name : BigSheepCk_CF
Downstream : MidColumbia_R110
Element Type : Junction

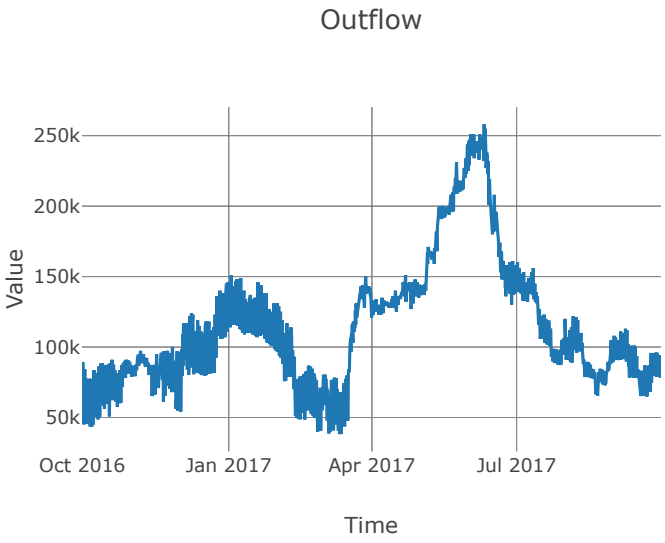




FromUpperColumbia: Source

Name : From Upper Columbia
Downstream : MidColumbia_R120
Element Type : Source

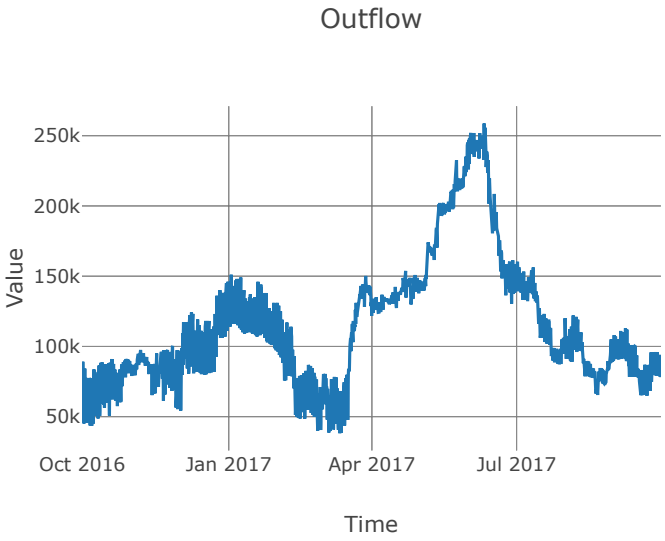
	Flow Source
Flow Ratio	-3.4028234663852886e38
Period Outflow	0.0

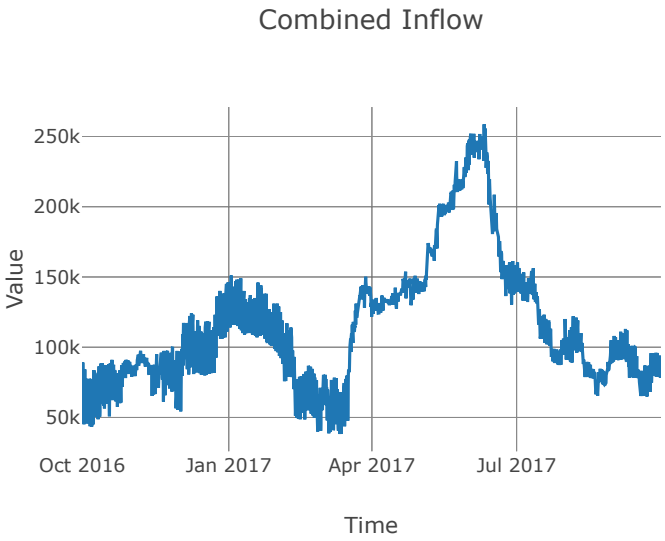


MidColumbia_R110: Reach

Loss Method : None
Name : MidColumbia_R110
Downstream : KettleRv_CF
Element Type : Reach

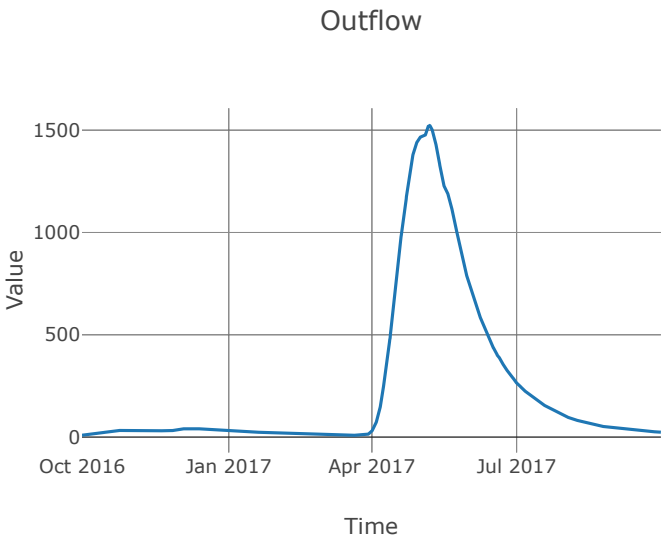
Route	
Method	Route None
Initial Variable	Combined Inflow
Channel Type	Unknown

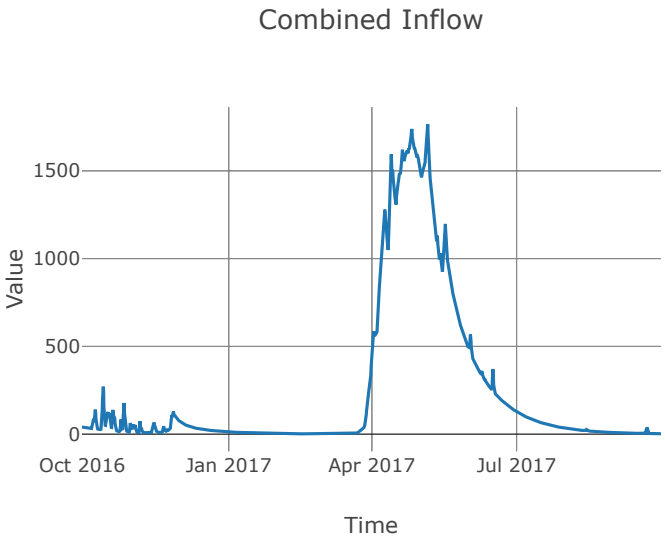


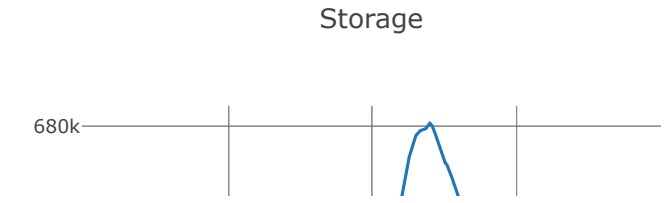


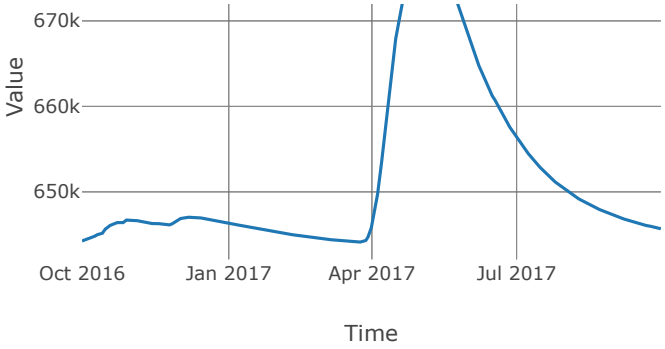
ChristinaLk: Reservoir

Quality Method : Unspecified
Method : Modified Puls
Name : Christina Lk
Downstream : ChristinaLk_OUT
Element Type : Reservoir



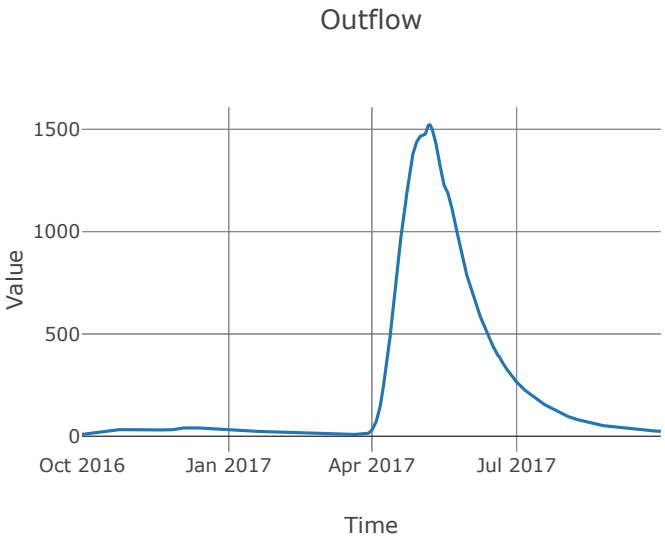


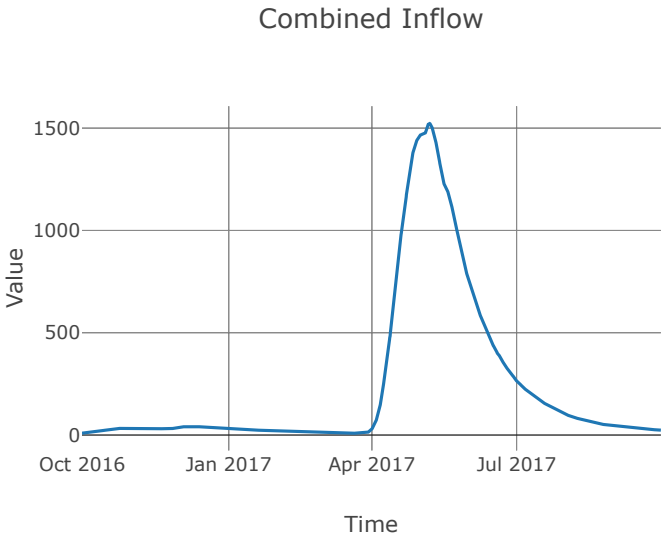



670k
660k
650k
Value
Oct 2016
Jan 2017
Apr 2017
Jul 2017
Time

ChristinaLk_OUT: Junction

Name : ChristinaLk_OUT
Downstream : Kettle Nr Laurier
Element Type : Junction





KettleRv_S020: Subbasin

Area : 652.33
Latitude : 48.881387180322 99
Downstream : Kettle Nr Laurier
Name : KettleRv_S020
Element Type : Subbasin
Longitude : 118.63249721757222

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.36
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	16.08
Storage Coefficient	16.08

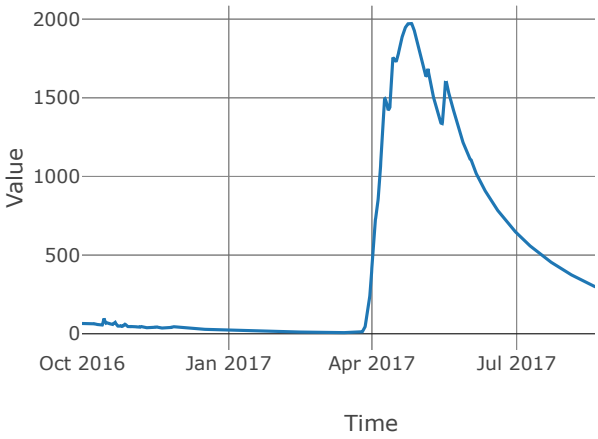
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	321.6
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.1
Layer Number 2	2
Storage Coefficient 2	1608.0
Number Steps 2	1.0

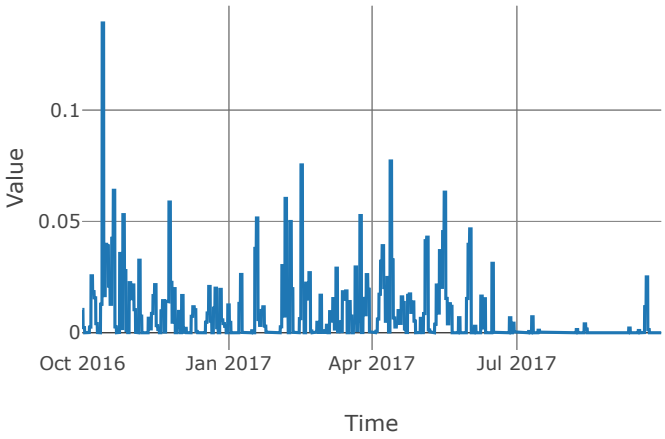
Statistics

Name	Value	Unit
Baseflow Volume	304171.8879372	Ac-ft
Precipitation Volume	809003.1399634	Ac-ft
Loss Volume	571758.7598895	Ac-ft
Excess Volume	2065.7683015	Ac-ft

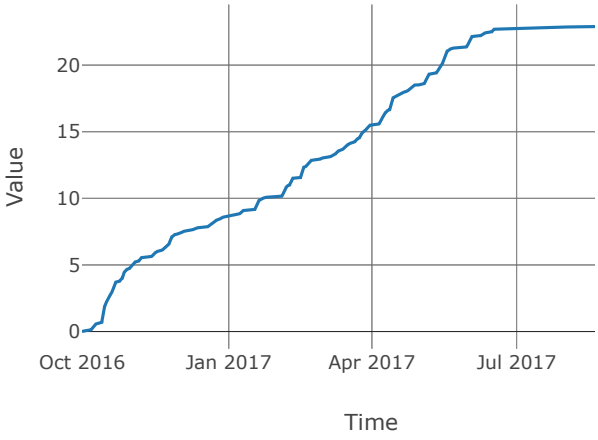
Outflow



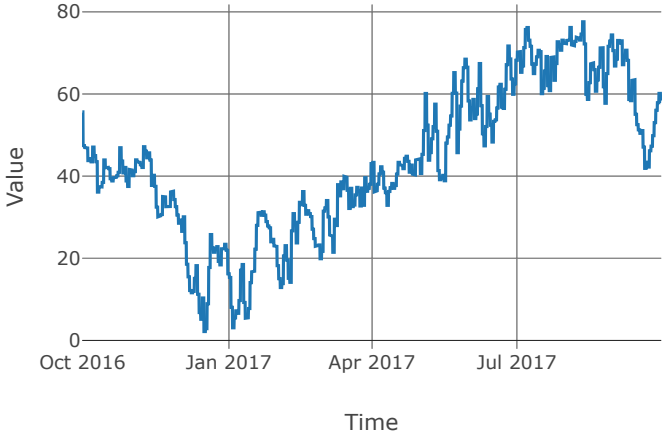
Precipitation



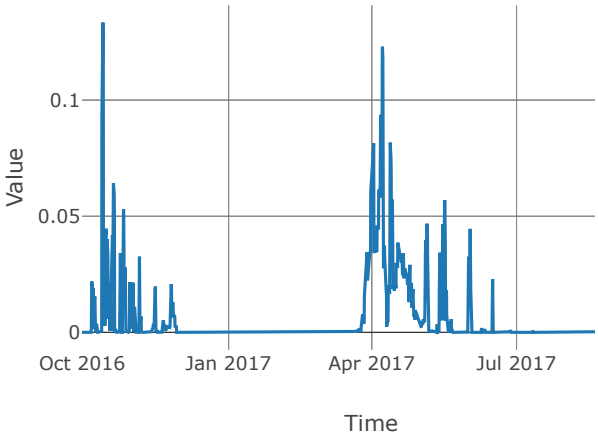
Cumulative Precipitation



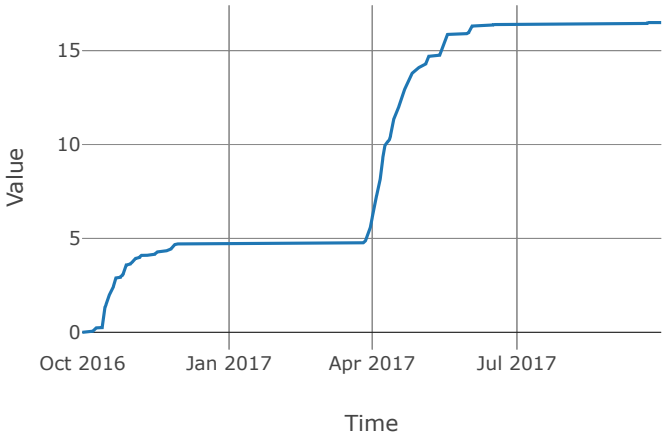
Air Temperature



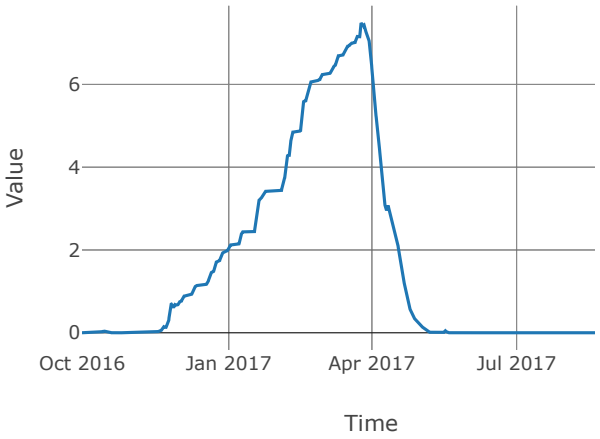
Liquid Water at Soil Surface



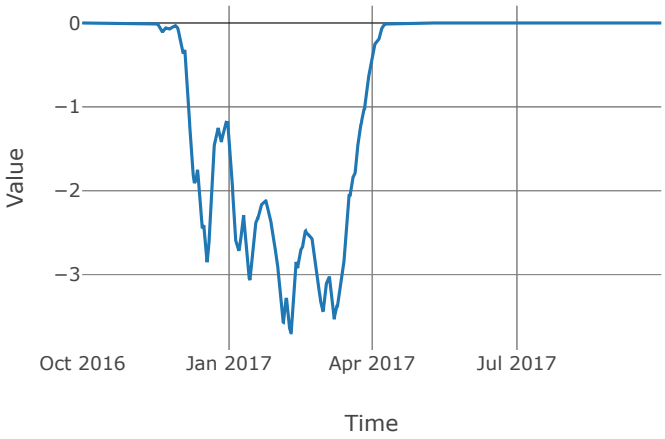
Cumulative LWASS



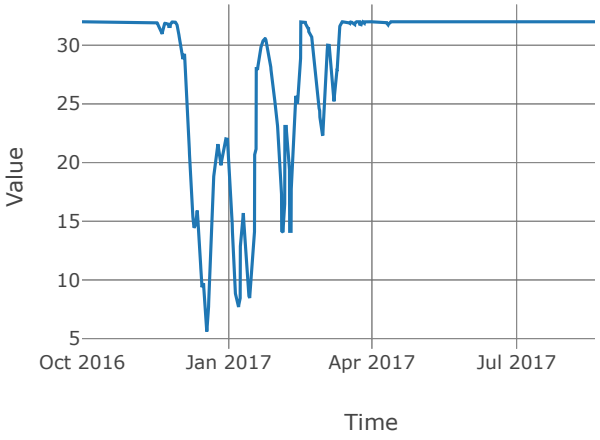
Snow Water Equivalent



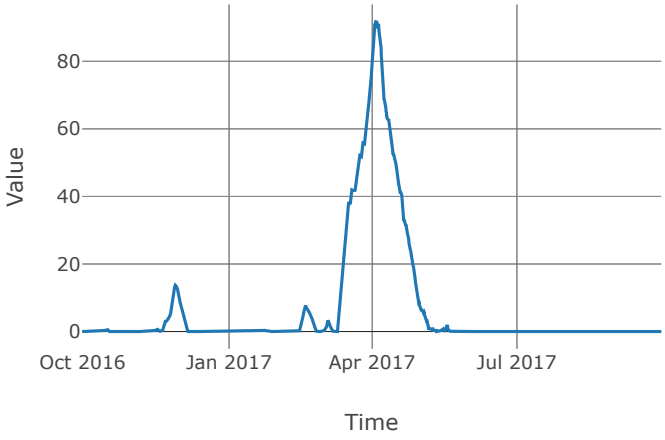
Cold Content



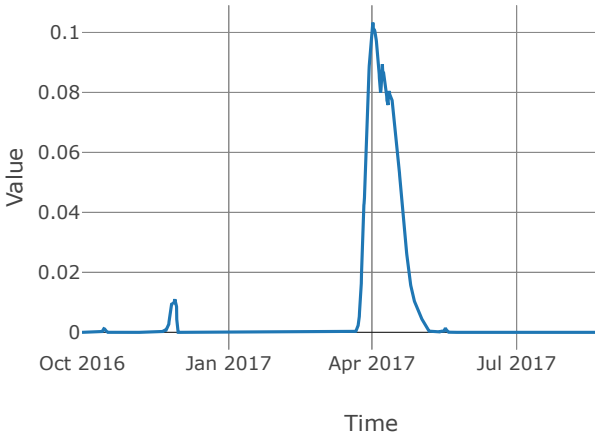
Cold Content ATI



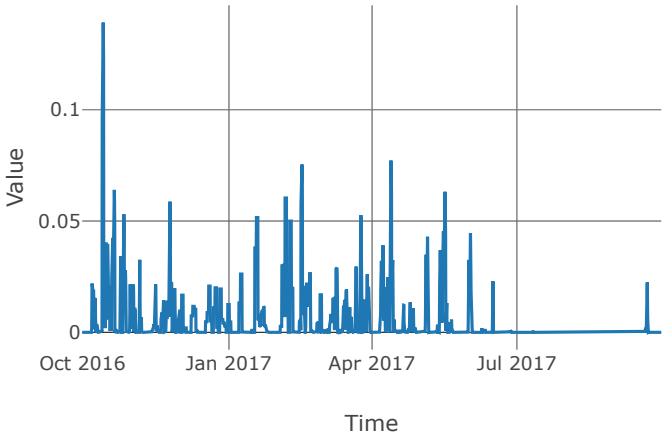
Melt Rate ATI



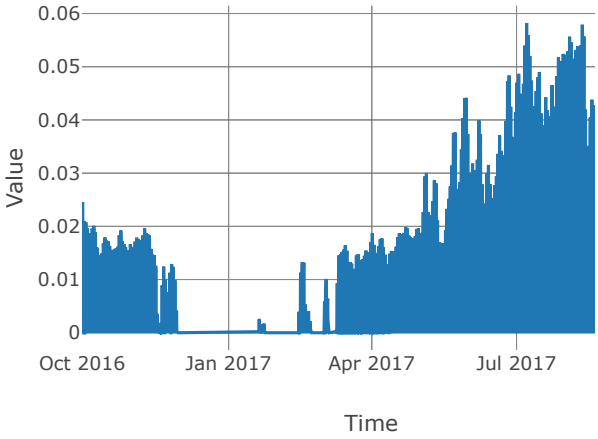
Liquid Water Content



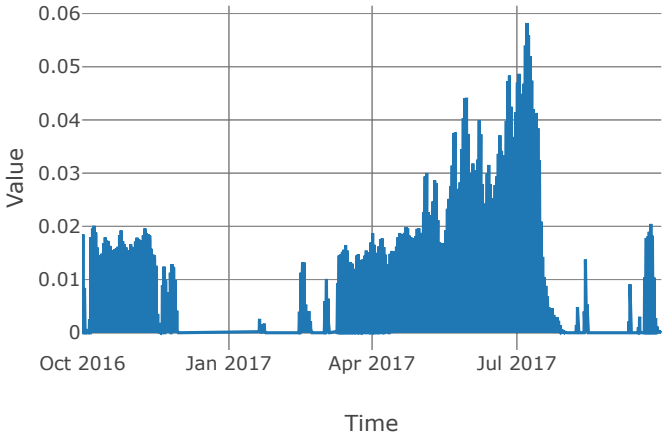
Canopy Overflow



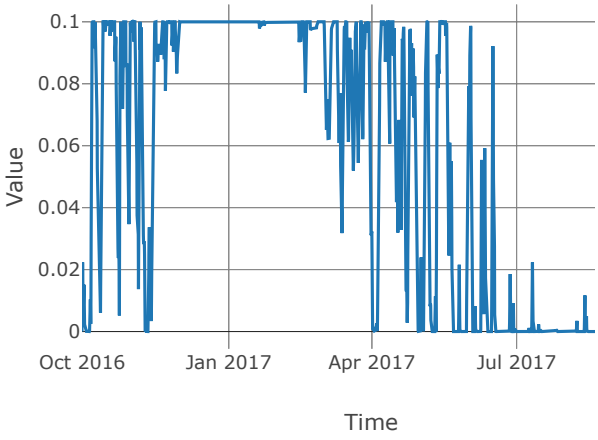
Potential Evapotranspiration



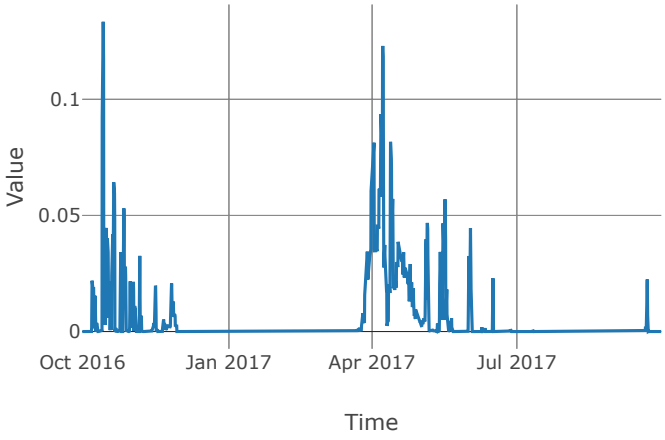
Canopy Evapotranspiration



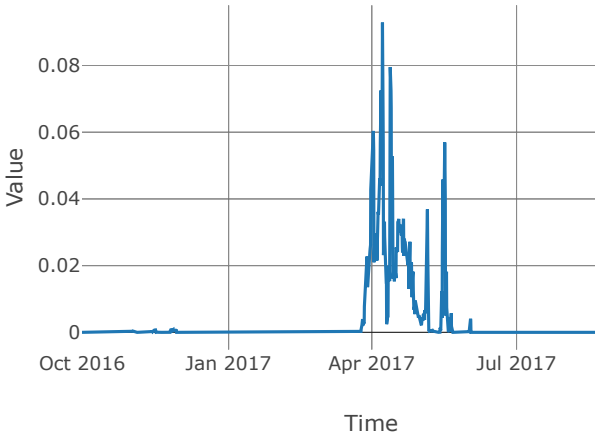
Canopy Storage



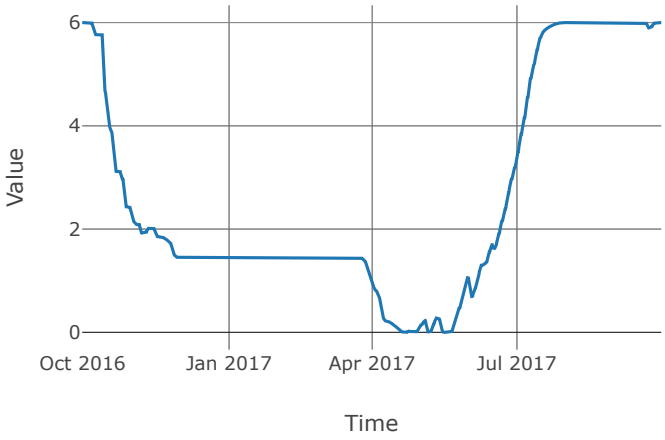
Soil Infiltration



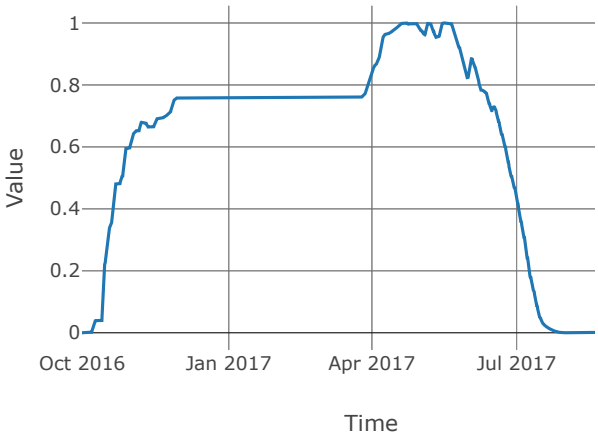
Soil Percolation



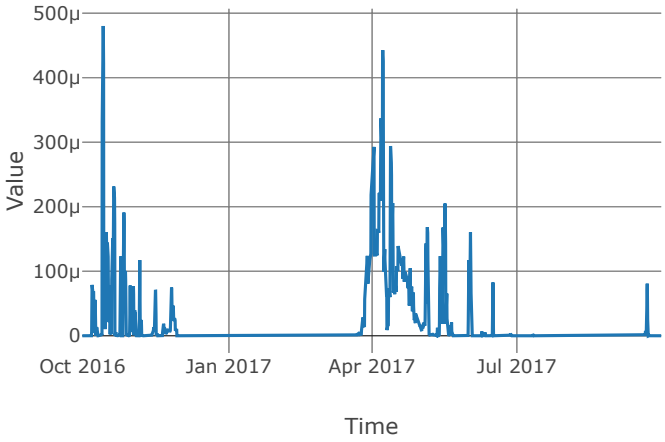
Moisture Deficit



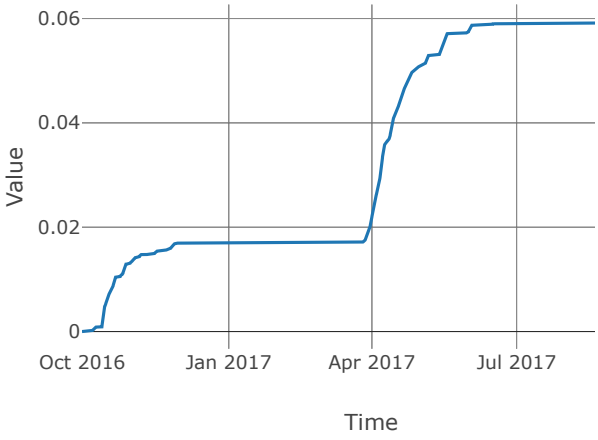
Saturation Fraction



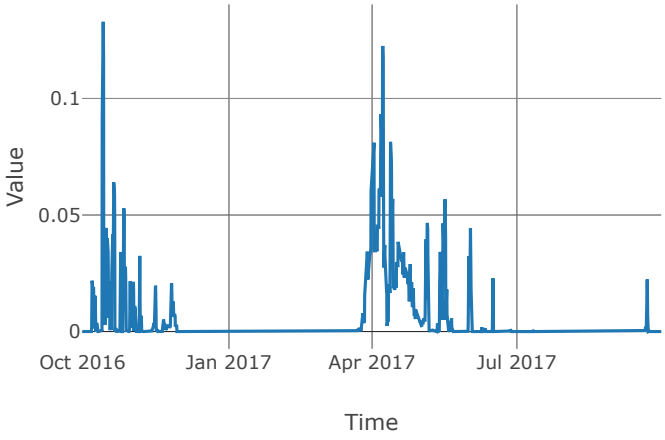
Excess Precipitation



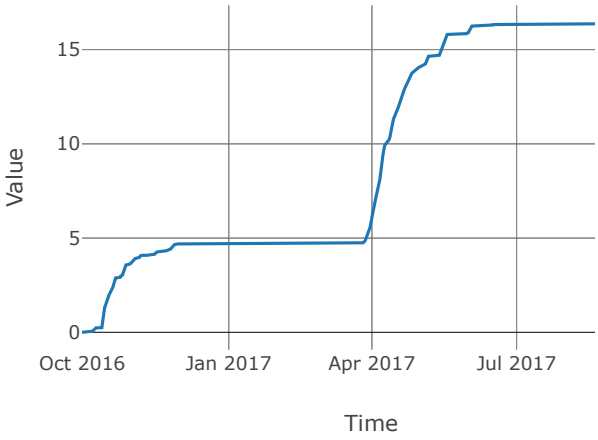
Cumulative Excess Precipitation



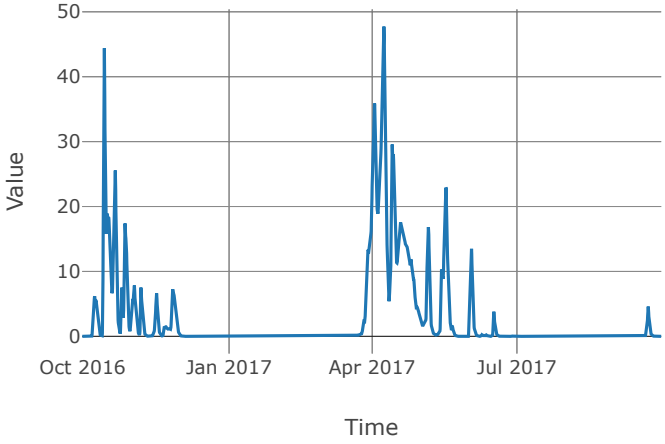
Precipitation Loss



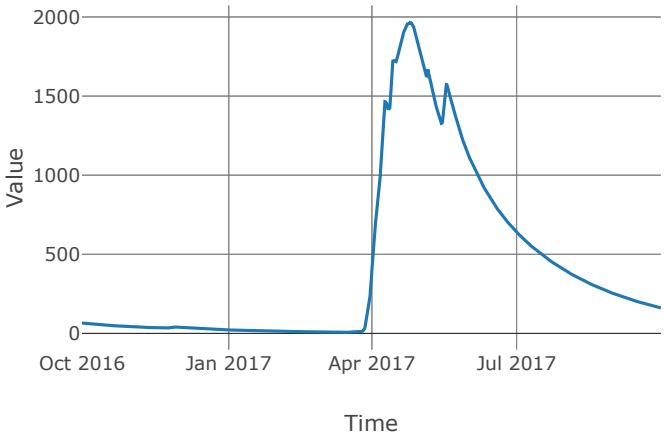
Cumulative Precipitation Loss



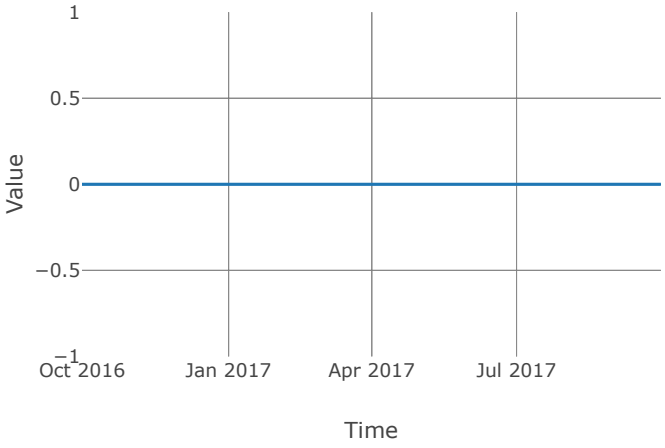
Direct Runoff



Baseflow

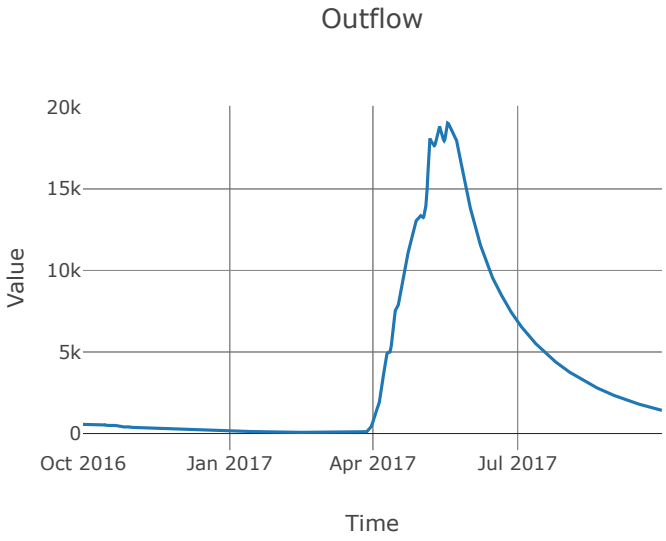


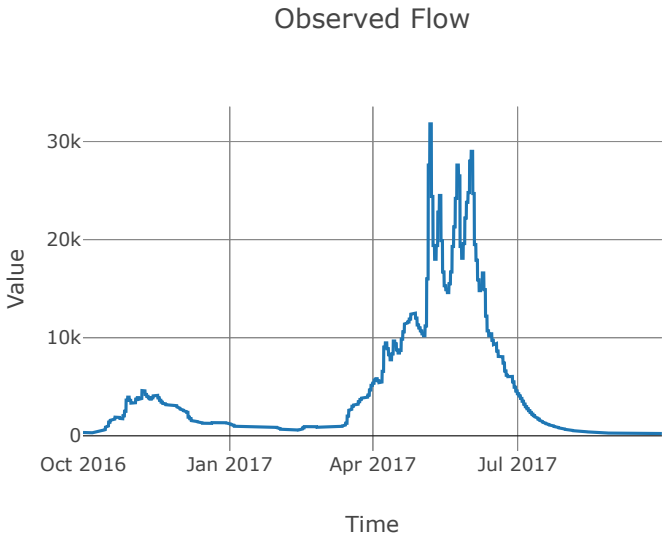
Aquifer Recharge

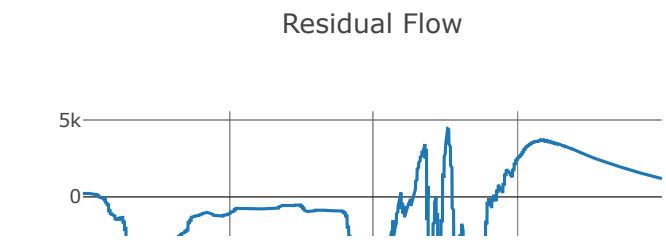


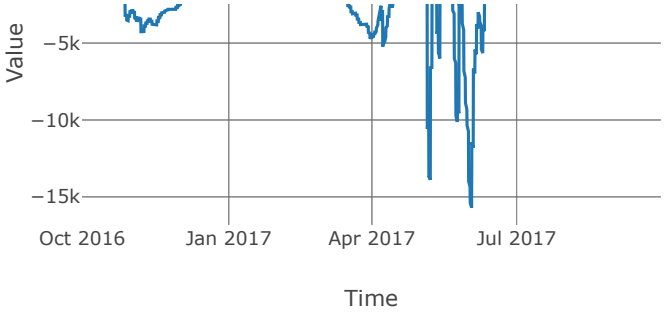
KettleNrLaurier: Junction

Name : Kettle Nr Laurier
Downstream : KettleRv_Ro10
Element Type : Junction
Observed Hydrograph : Kettle river near laurier

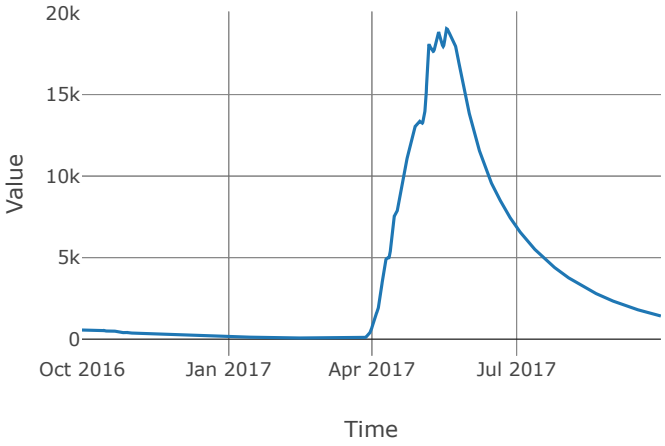








Combined Inflow

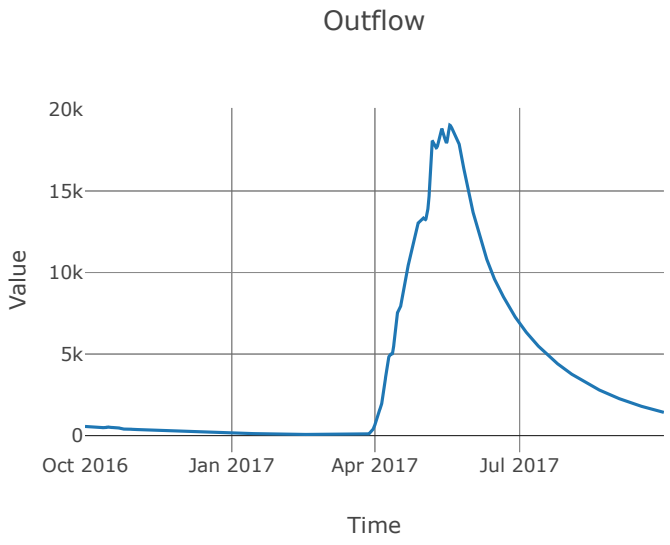


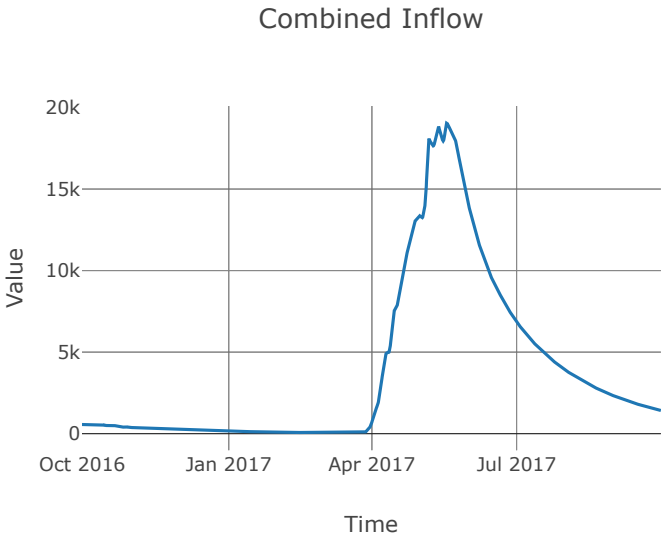
KettleRv_R010: Reach

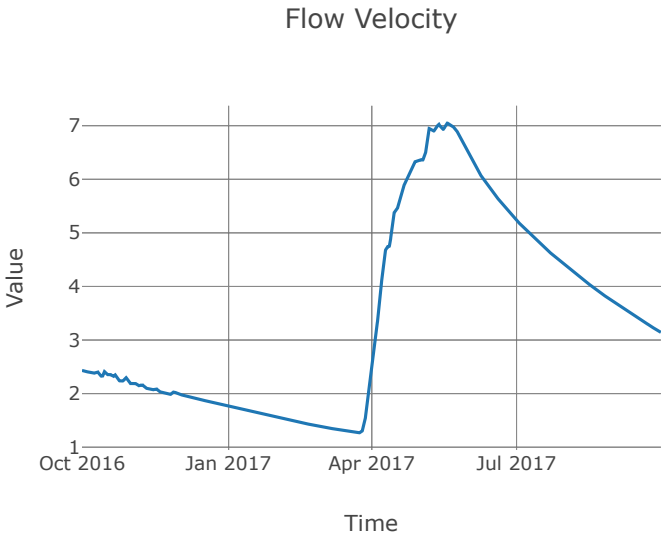
Loss Method : None
Name : KettleRv_R010
Downstream : Kettle Nr Barstow
Element Type : Reach

Route	
Space Time Method	Auto Dx Dt
Method	Muskingum Cunge
Maximum Depth Iterations	20.0
Index Parameter Type	Index Flow
Initial Variable	Combined Inflow
Index Flow	20000.0
Channel Type	Eight Point
Maximum Route Step Iterations	30.0

Channel	
Channel Mannings N	0.035
Nvalue Ratio	1.0
Length	98516.0
Max Depth Difference	0.0
Left Mannings N	0.15
Channel Type	Eight Point
manningsN	0.035
Cross Section Name	KettleRv_R010
Energy Slope	0.001376
Right Mannings N	0.15




Combined Inflow
20k
15k
10k
5k
0
Value
Oct 2016
Jan 2017
Apr 2017
Jul 2017
Time


Flow Velocity
7
6
5
4
3
2
1
Value
Oct 2016
Jan 2017
Apr 2017
Jul 2017
Time

KettleRv_S010: Subbasin

Area : 240.84
Latitude : 48.84872988298992
Downstream : Kettle Nr Barstow
Name : KettleRv_S010
Element Type : Subbasin
Longitude : 118.2595004054877

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.14
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	5.34
Storage Coefficient	5.34

Baseflow

Method	Linear Reservoir

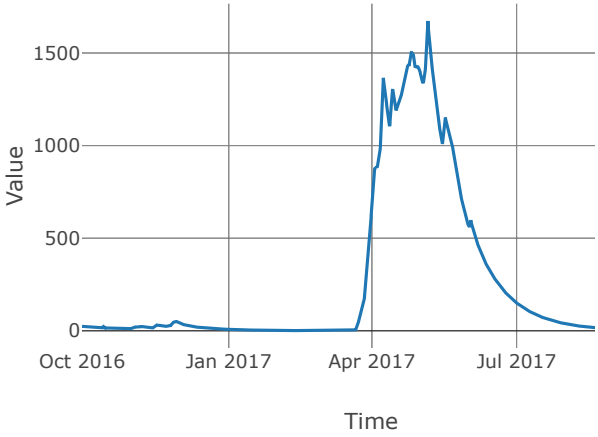
Baseflow Layer List

Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	106.8
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.1
Layer Number 2	2
Storage Coefficient 2	534.0
Number Steps 2	1.0

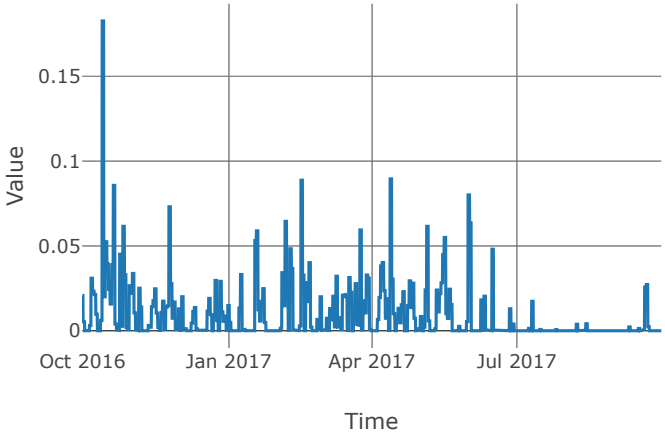
Statistics

Name	Value	Unit
Baseflow Volume	174832.8290748	Ac-ft
Precipitation Volume	365723.1217559	Ac-ft
Loss Volume	275561.2439736	Ac-ft
Excess Volume	386.3265988	Ac-ft

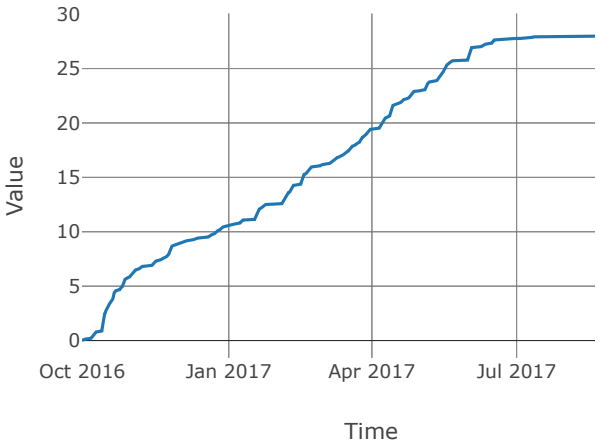
Outflow



Precipitation

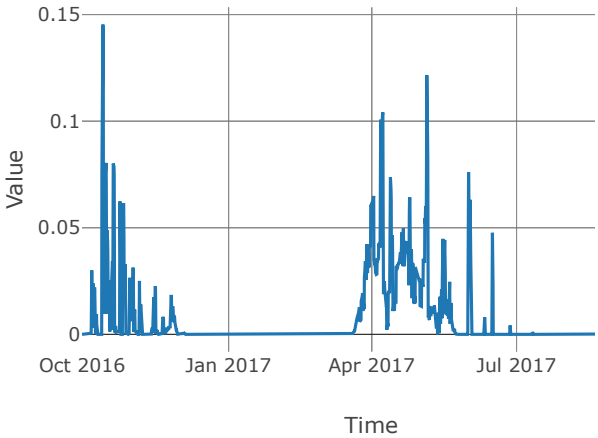


Cumulative Precipitation

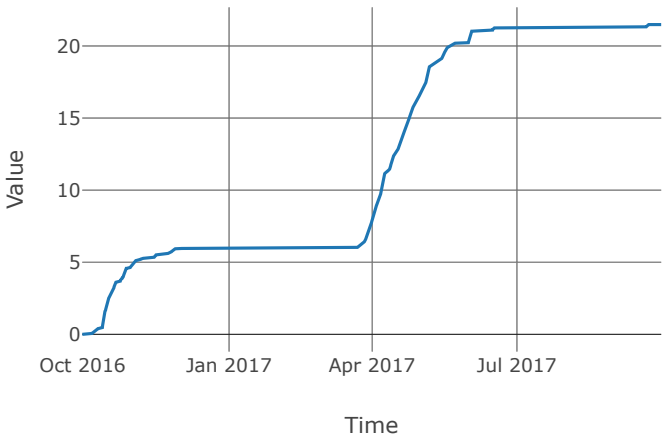


Air Temperature

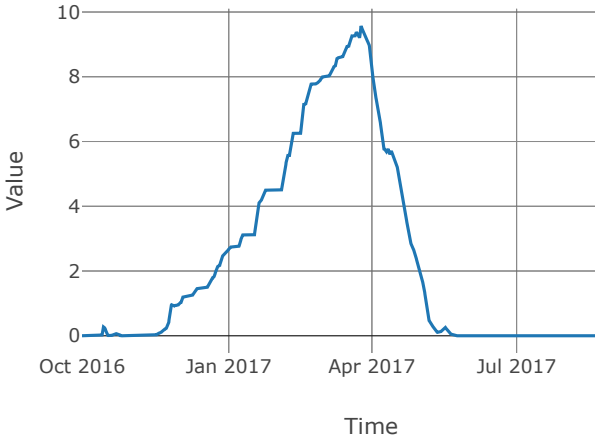
Liquid Water at Soil Surface



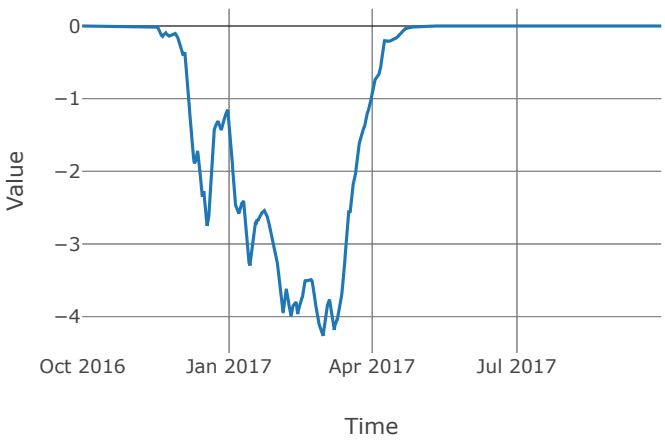
Cumulative LWASS



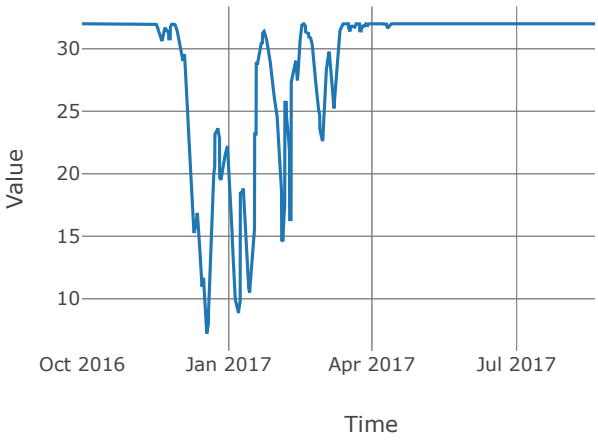
Snow Water Equivalent



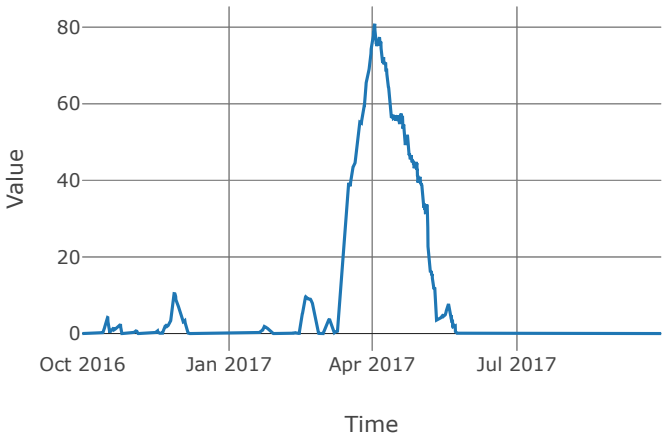
Cold Content



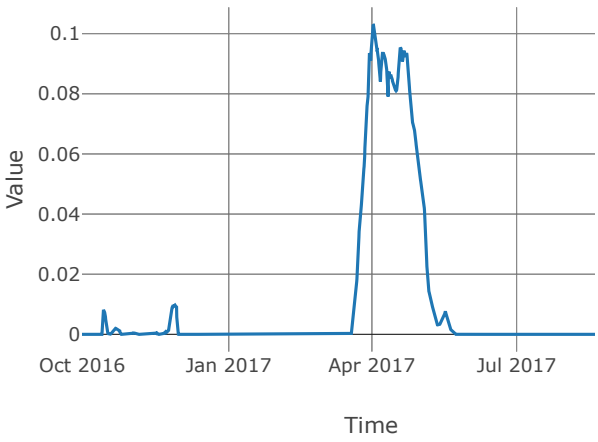
Cold Content ATI



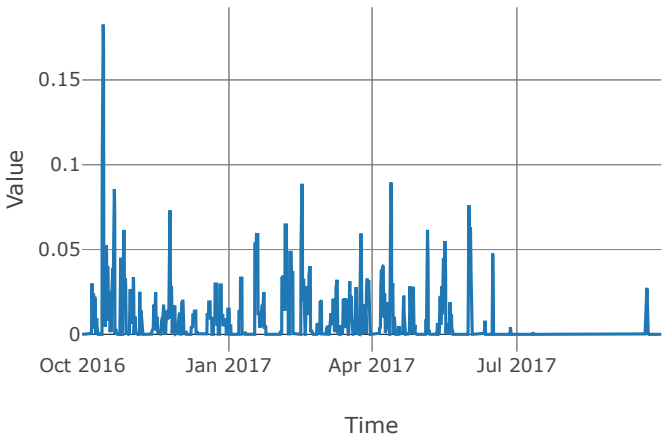
Melt Rate ATI



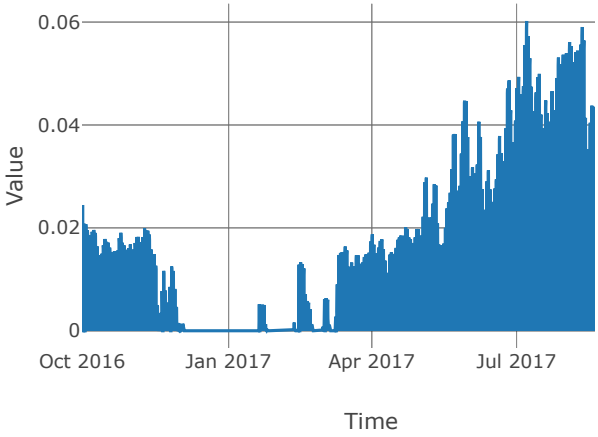
Liquid Water Content



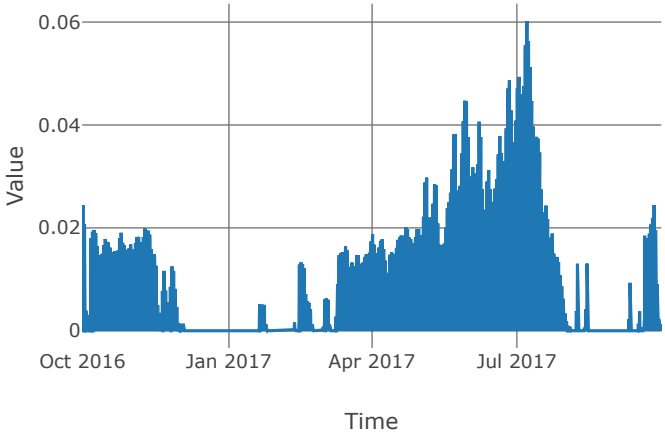
Canopy Overflow



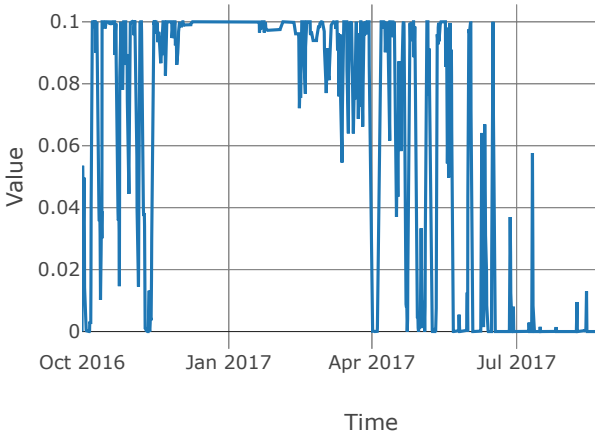
Potential Evapotranspiration



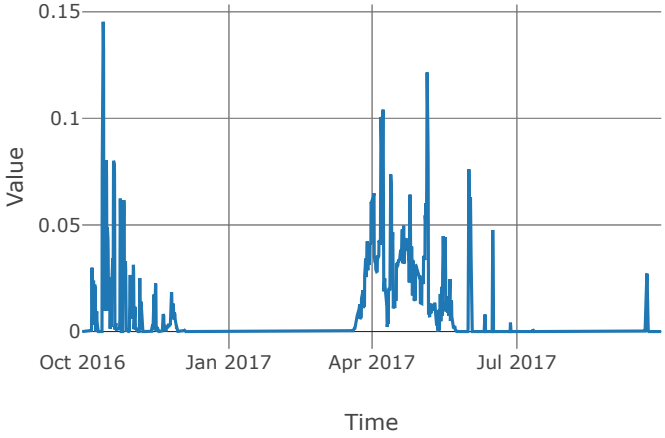
Canopy Evapotranspiration



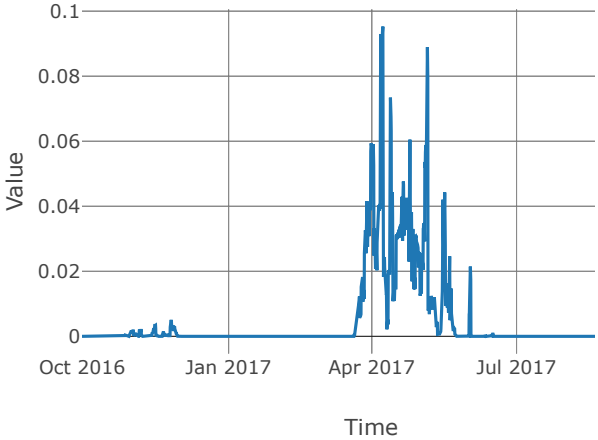
Canopy Storage



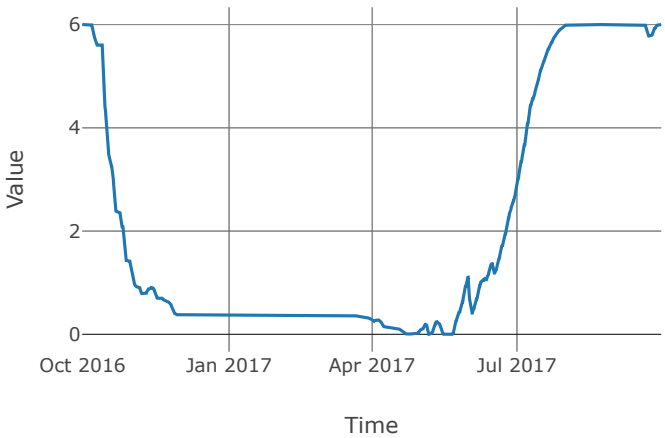
Soil Infiltration



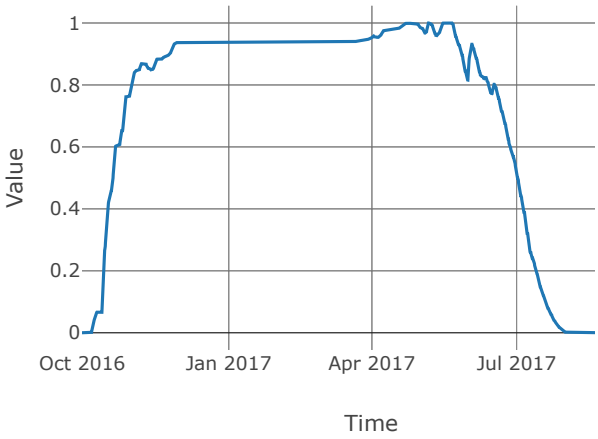
Soil Percolation



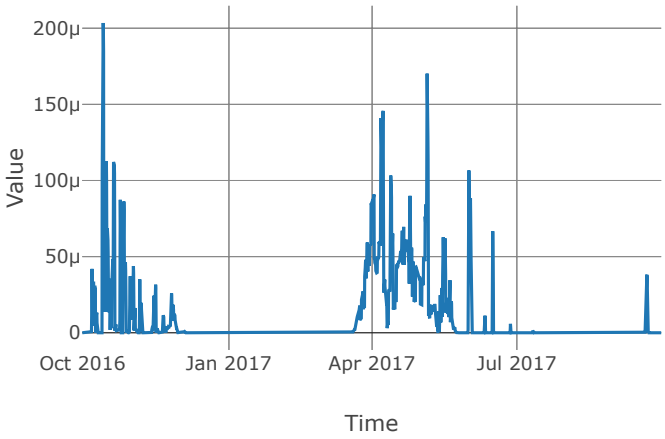
Moisture Deficit



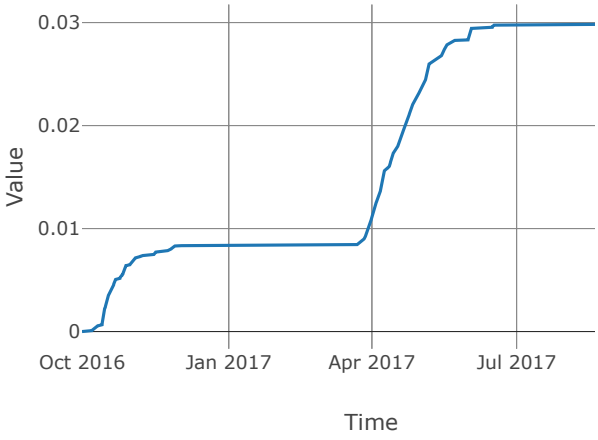
Saturation Fraction



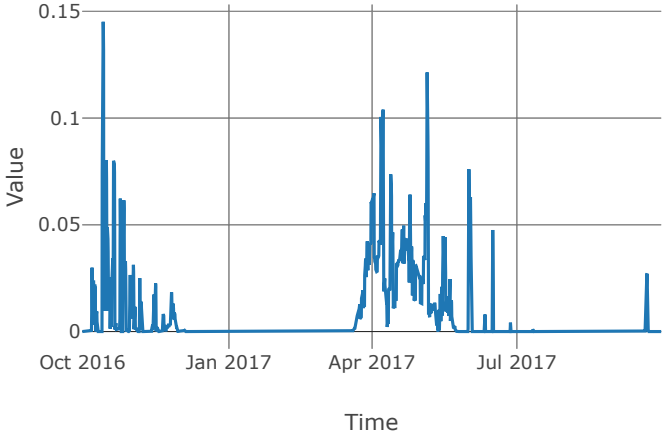
Excess Precipitation



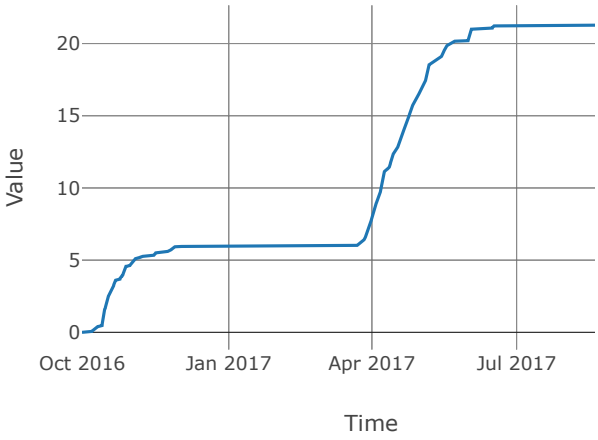
Cumulative Excess Precipitation



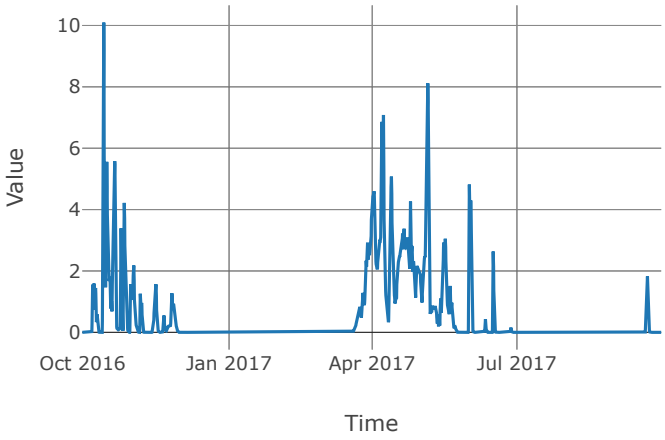
Precipitation Loss



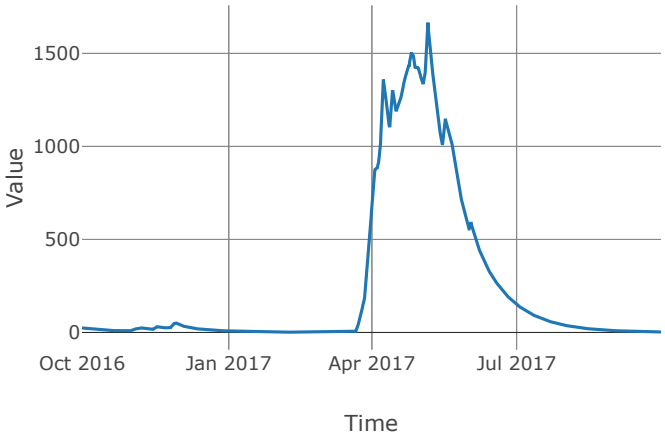
Cumulative Precipitation Loss



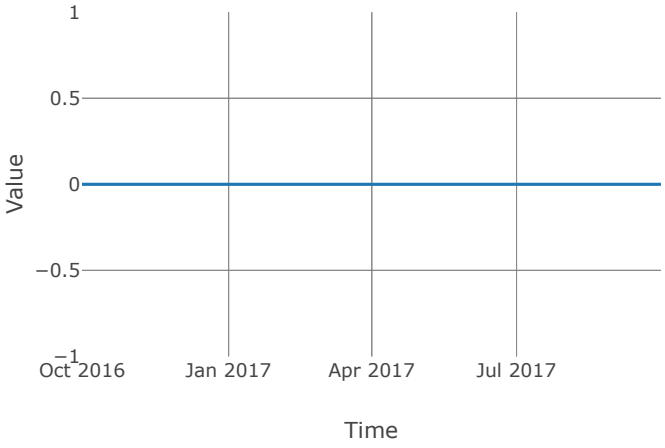
Direct Runoff



Baseflow

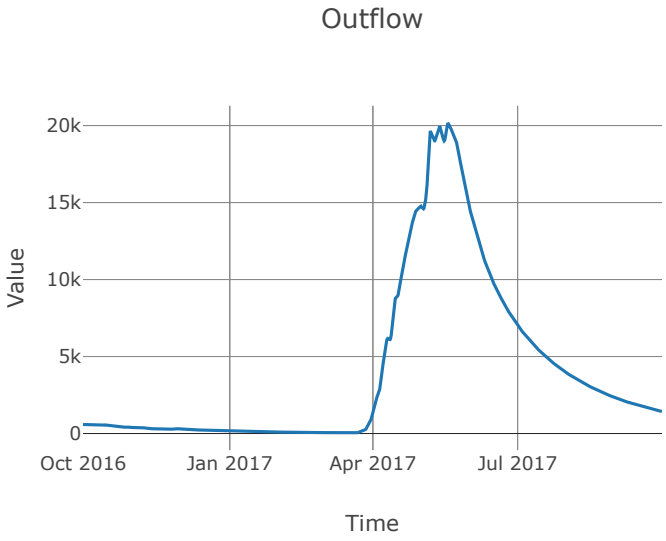


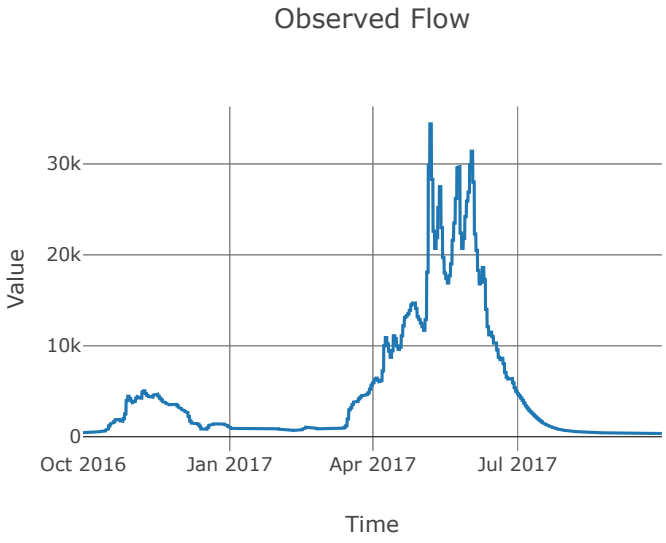
Aquifer Recharge

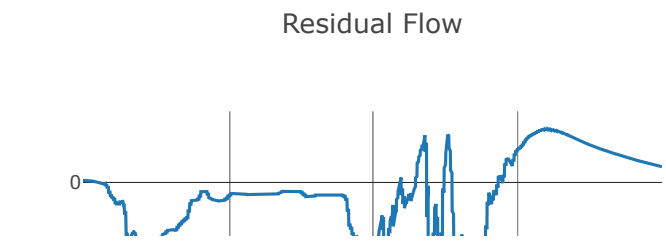


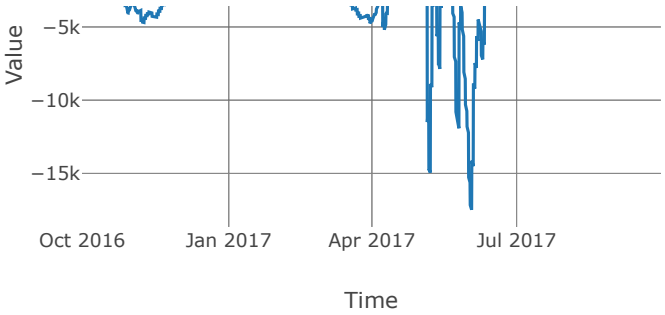
KettleNrBarstow: Junction

Name : Kettle Nr Barstow
Downstream : KettleRv_CF
Element Type : Junction
Observed Hydrograph : Kettle river near barstow

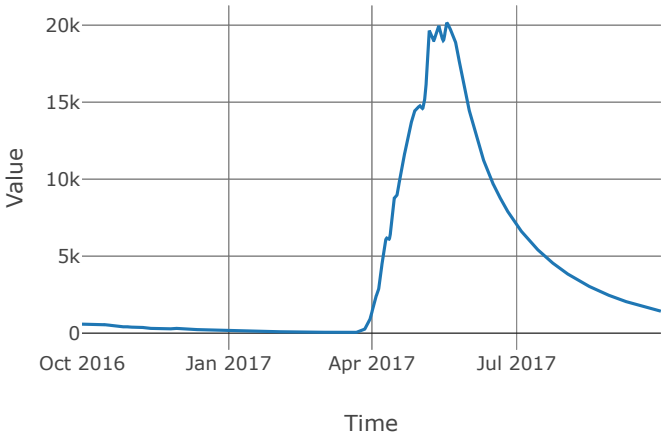








Combined Inflow



MidColumbia_S110: Subbasin

Area : 674.8
Latitude : 48.83367926163104
Downstream : KettleRv_CF
Name : MidColumbia_S110
Element Type : Subbasin
Longitude : 117.86835056018364

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	2.34
Method	Deficit Constant
Initial Deficit	12.0
Maximum Deficit	12.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	12.04
Storage Coefficient	12.04

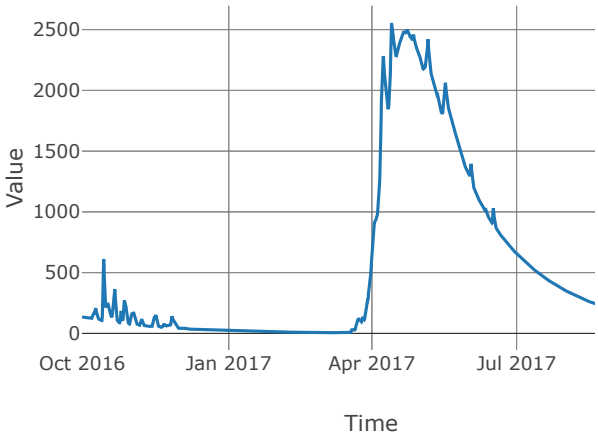
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	240.8
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.2
Layer Number 2	2
Storage Coefficient 2	1204.0
Number Steps 2	1.0

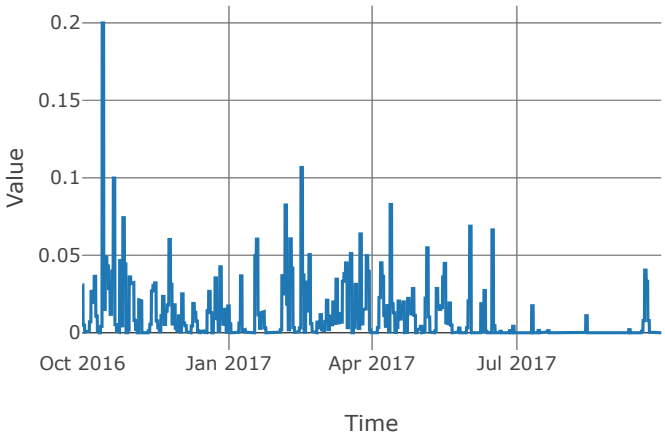
Statistics

Name	Value	Unit
Baseflow Volume	350721.3185739	Ac-ft
Precipitation Volume	1132001.6737566	Ac-ft
Loss Volume	842802.4254462	Ac-ft
Excess Volume	20194.1191434	Ac-ft

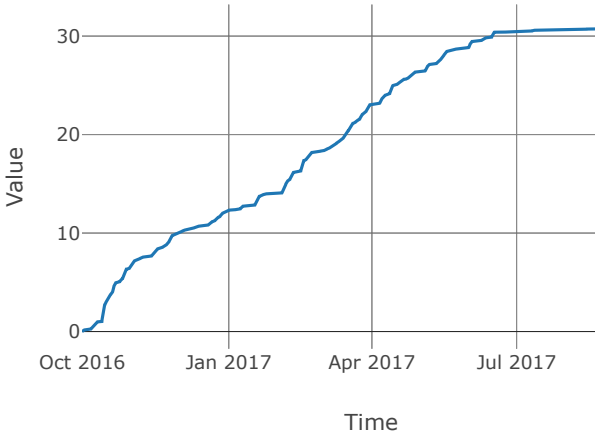
Outflow



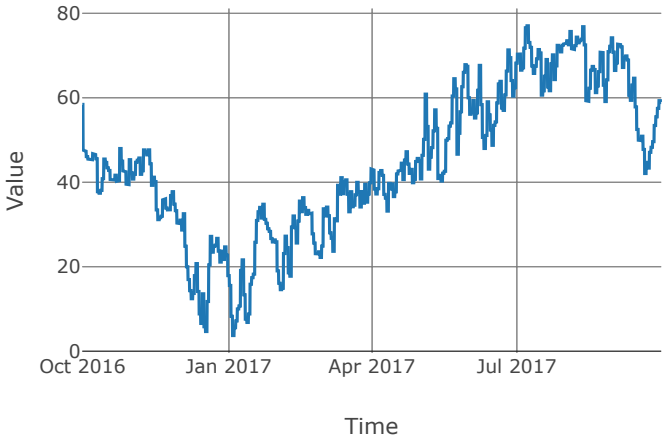
Precipitation



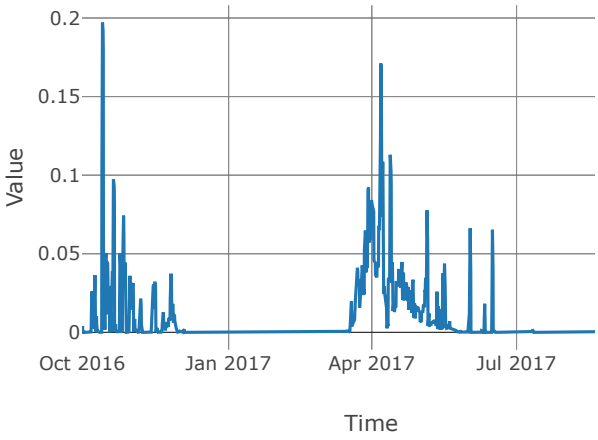
Cumulative Precipitation



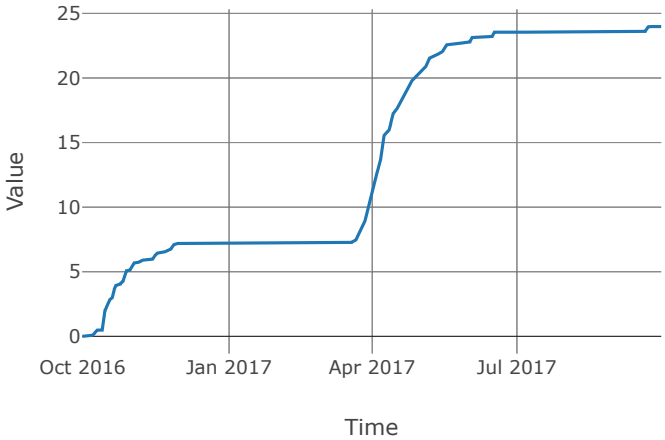
Air Temperature



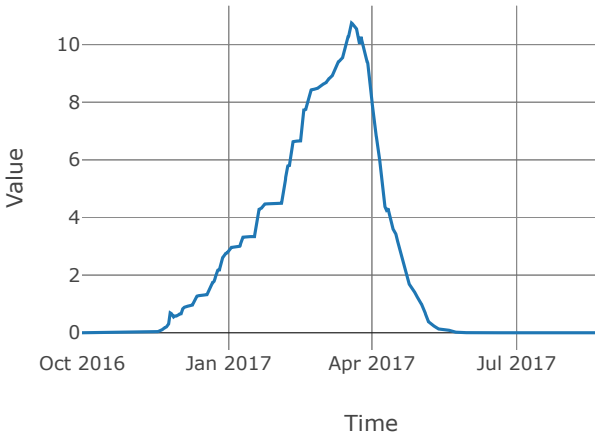
Liquid Water at Soil Surface



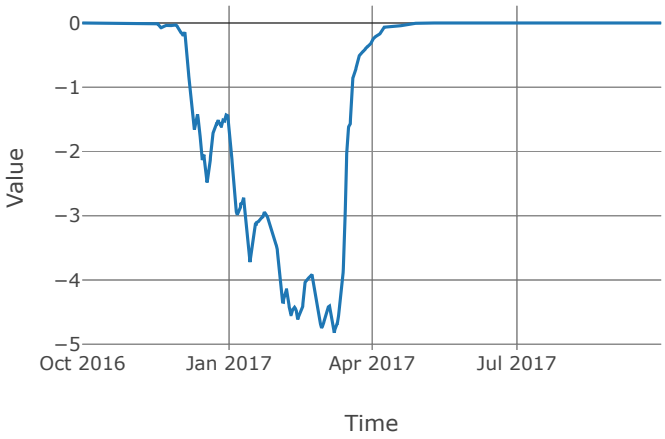
Cumulative LWASS



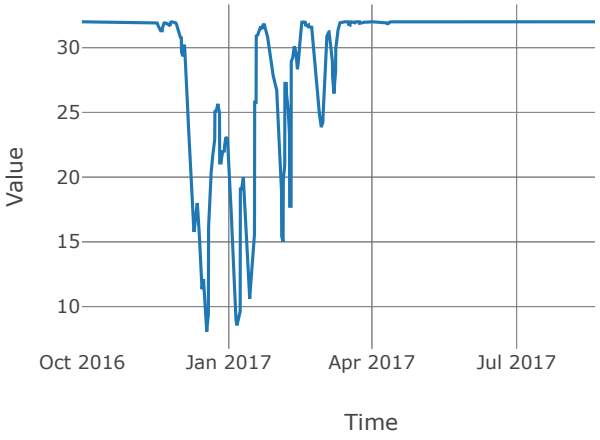
Snow Water Equivalent



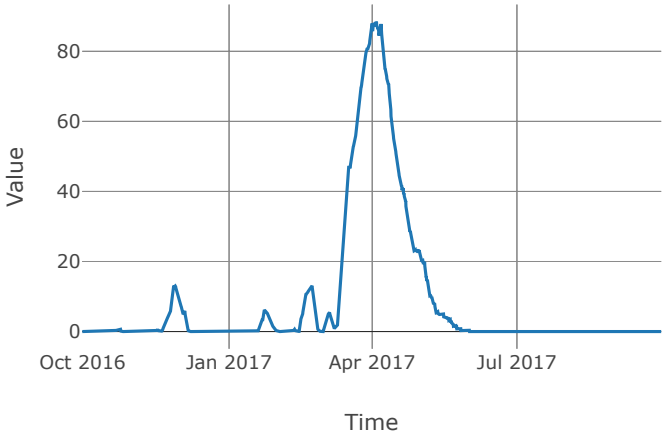
Cold Content



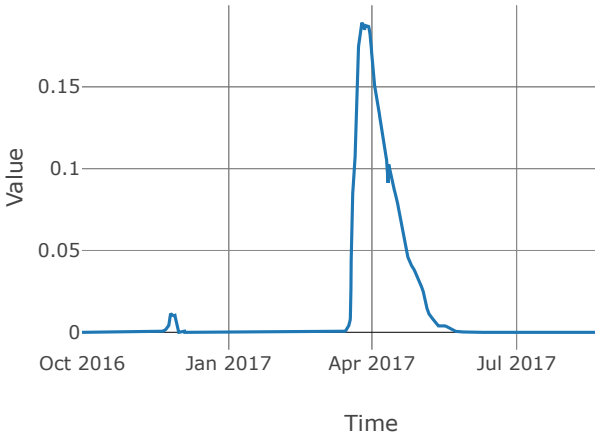
Cold Content ATI



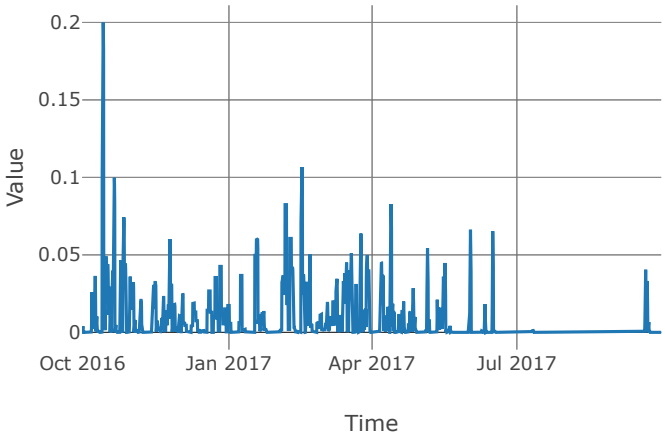
Melt Rate ATI



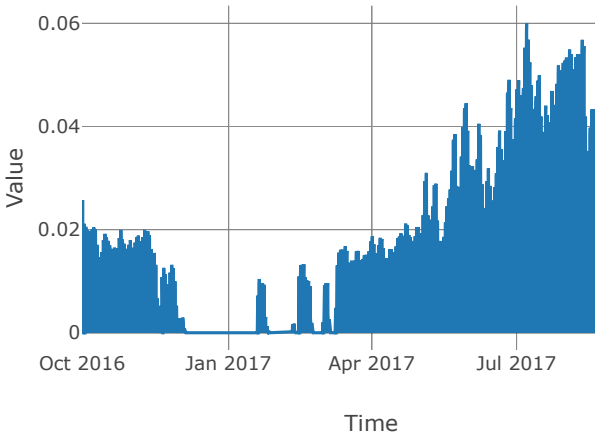
Liquid Water Content



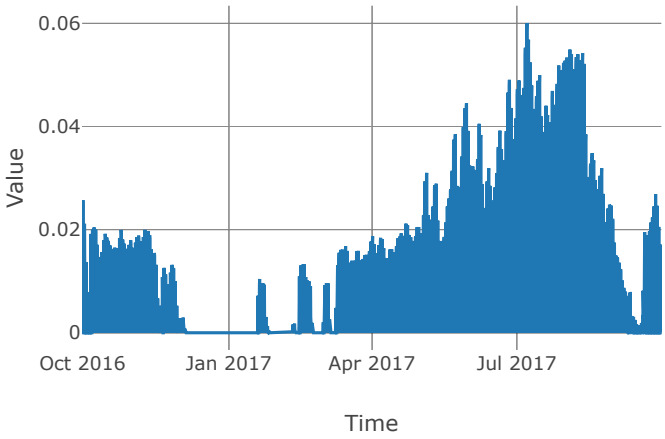
Canopy Overflow



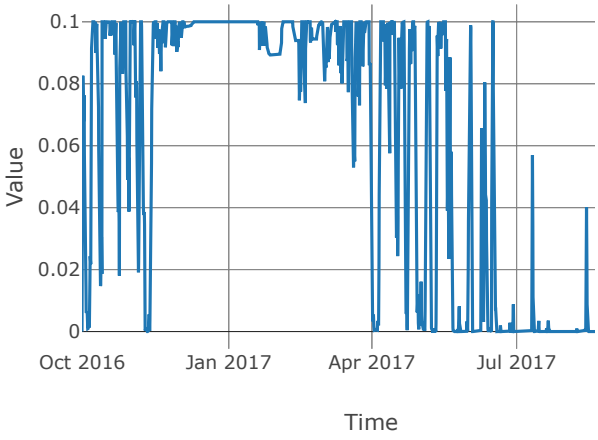
Potential Evapotranspiration



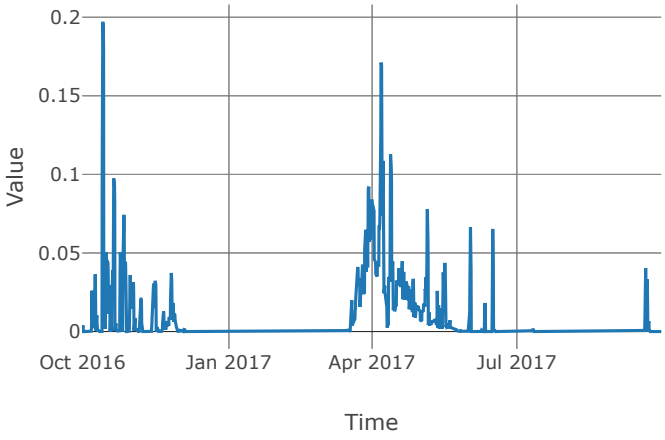
Canopy Evapotranspiration



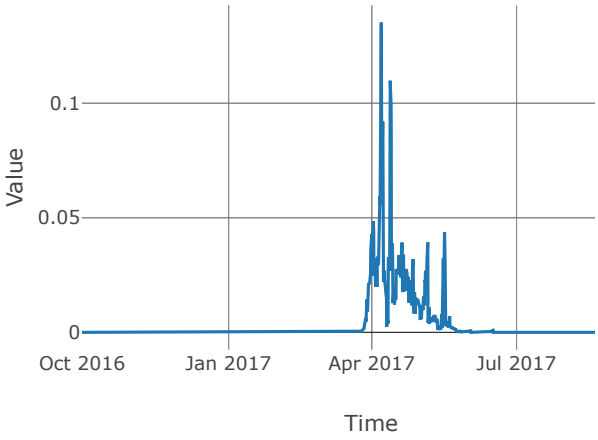
Canopy Storage



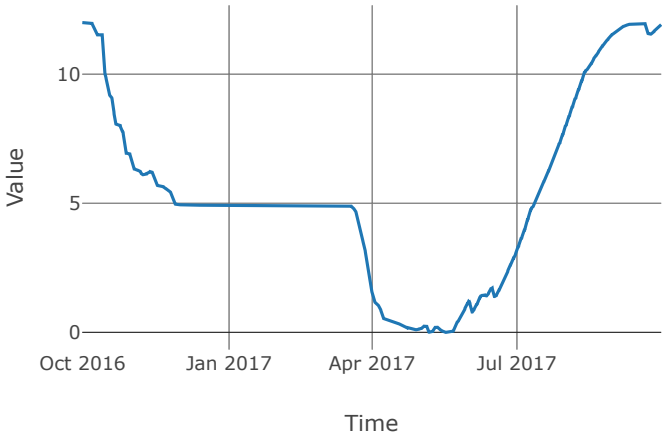
Soil Infiltration



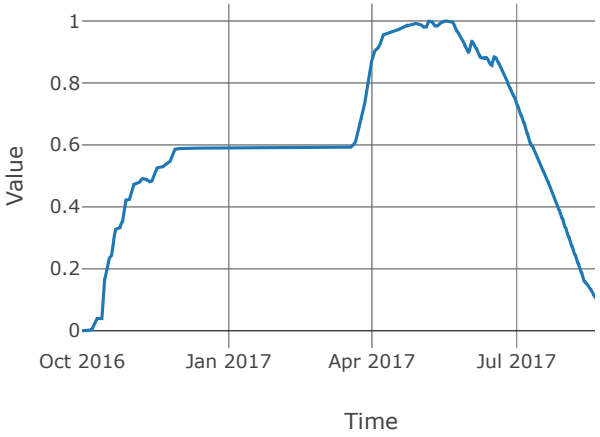
Soil Percolation



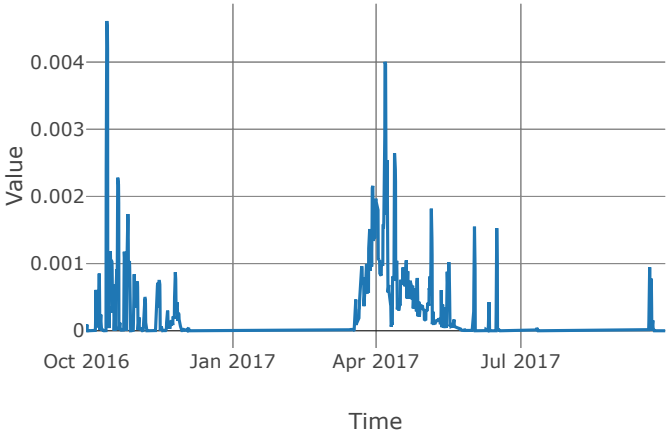
Moisture Deficit



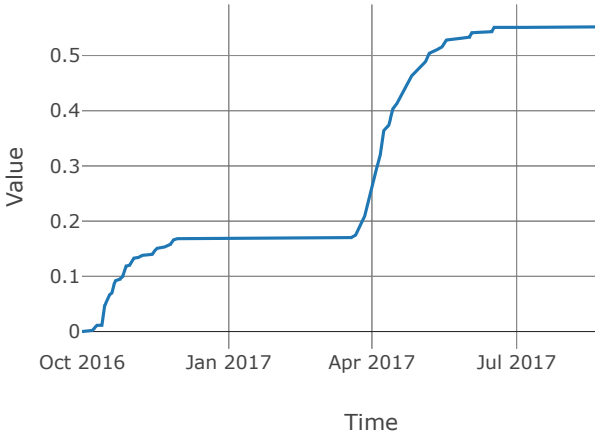
Saturation Fraction



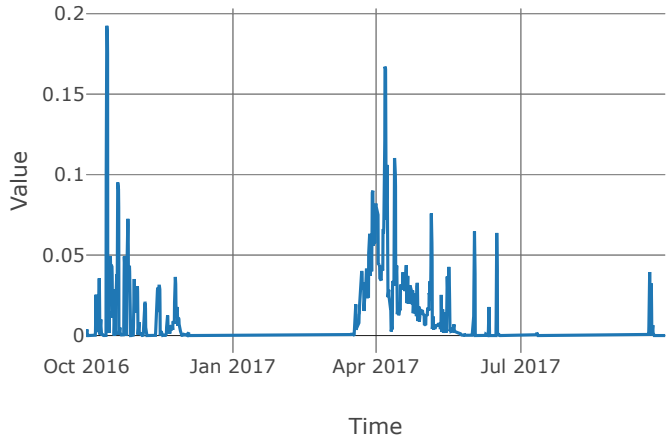
Excess Precipitation



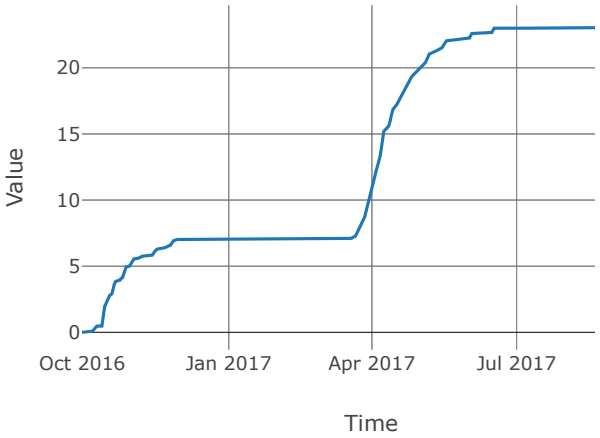
Cumulative Excess Precipitation



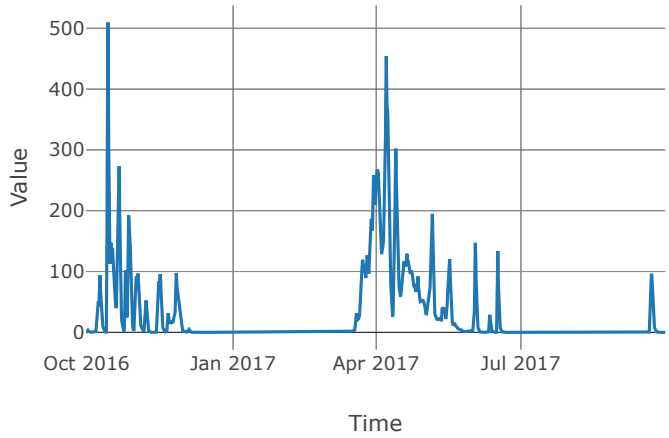
Precipitation Loss



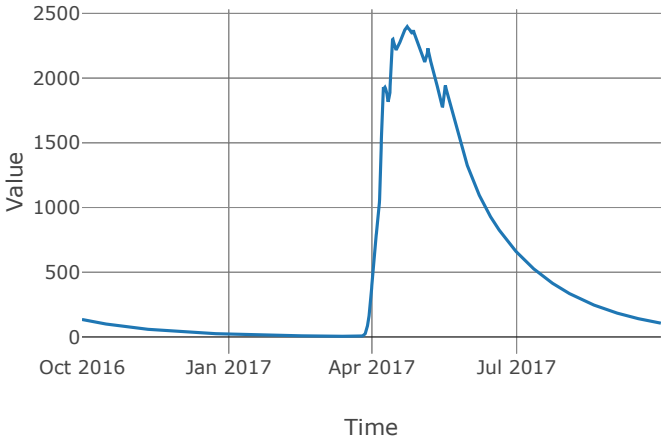
Cumulative Precipitation Loss



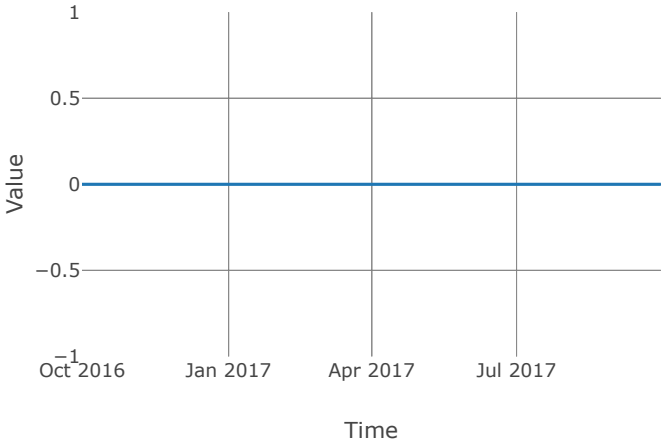
Direct Runoff



Baseflow

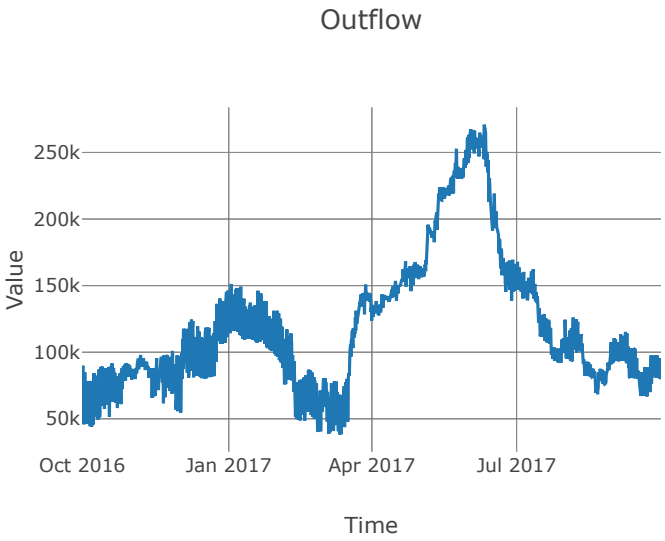


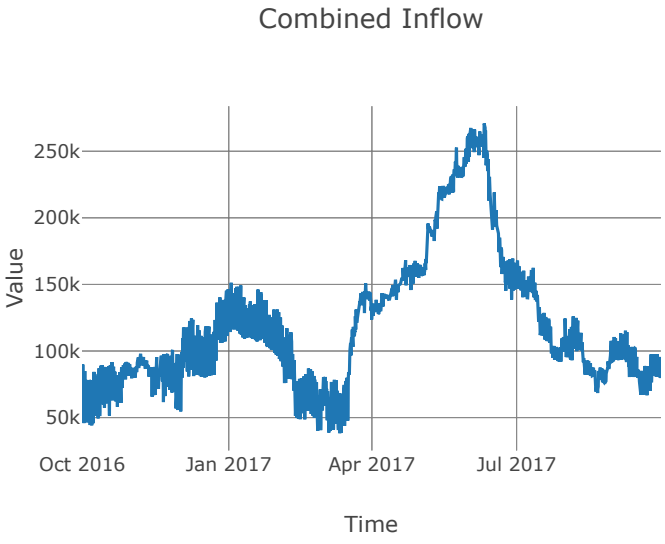
Aquifer Recharge



KettleRv_CF: Junction

Name : KettleRv_CF
Downstream : MidColumbia_R105
Element Type : Junction

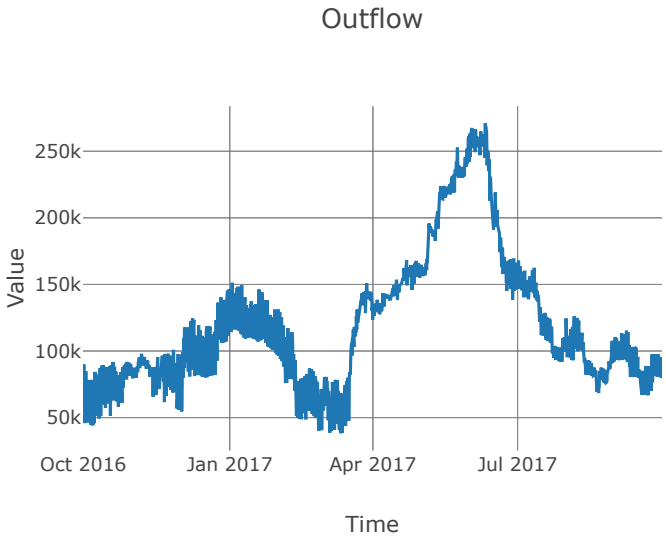


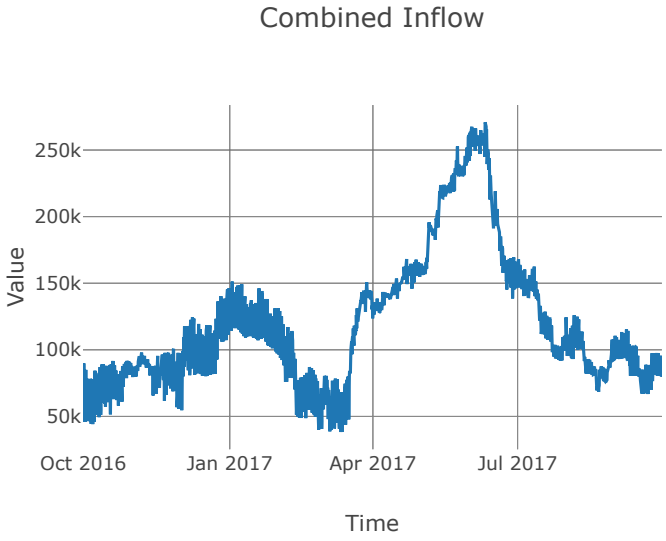


MidColumbia_R105: Reach

Loss Method : None
Name : MidColumbia_R105
Downstream : ColvilleRv_CF
Element Type : Reach

	Route
Method	Route None
Initial Variable	Combined Inflow
Channel Type	Unknown





ColvilleRv_S010: Subbasin

Area : 1005.2
Latitude : 48.38973887617811
Downstream : Colville Rv At Kettle Falls
Name : ColvilleRv_S010
Element Type : Subbasin
Longitude : 117.77388888888889

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.86
Method	Deficit Constant
Initial Deficit	12.0
Maximum Deficit	12.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	13.66
Storage Coefficient	13.66

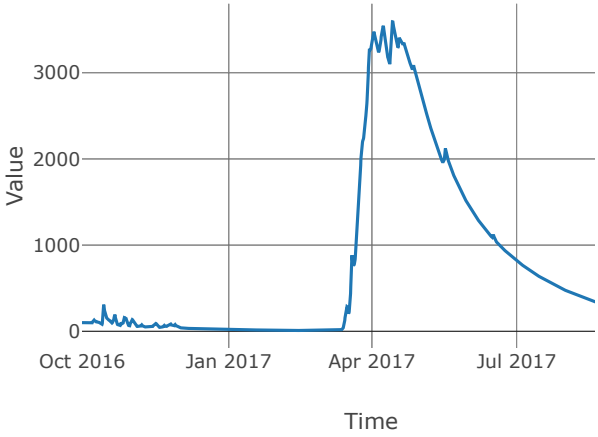
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	273.2
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.1
Layer Number 2	2
Storage Coefficient 2	1366.0
Number Steps 2	1.0

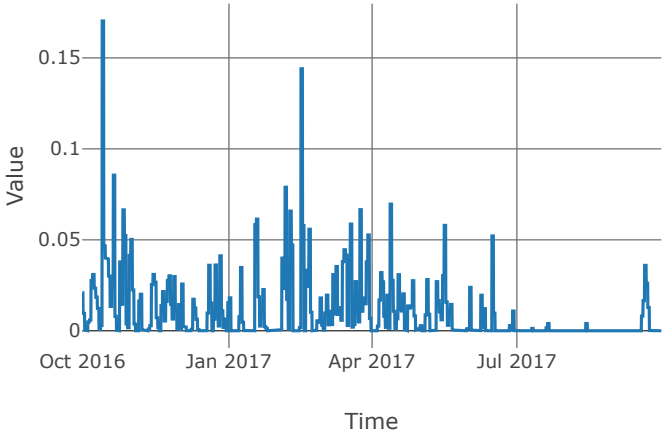
Statistics

Name	Value	Unit
Baseflow Volume	515822.4647539	Ac-ft
Precipitation Volume	1655273.599464	Ac-ft
Loss Volume	1250482.494988	Ac-ft
Excess Volume	10847.4374187	Ac-ft

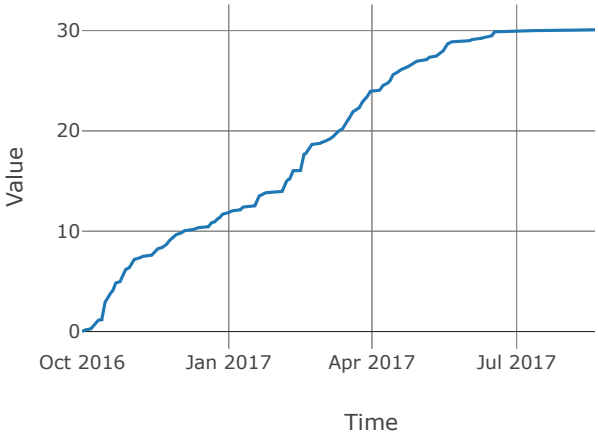
Outflow



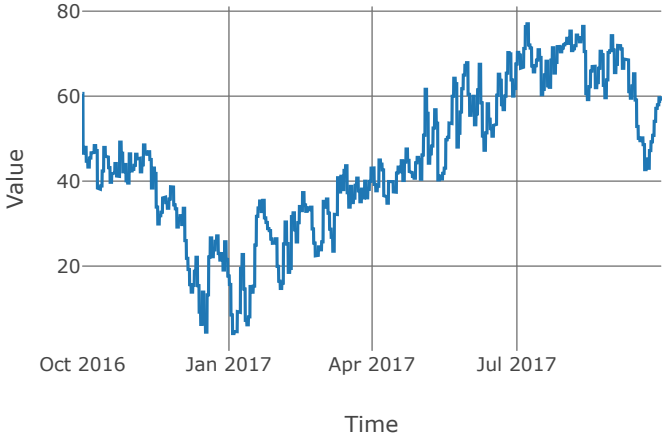
Precipitation



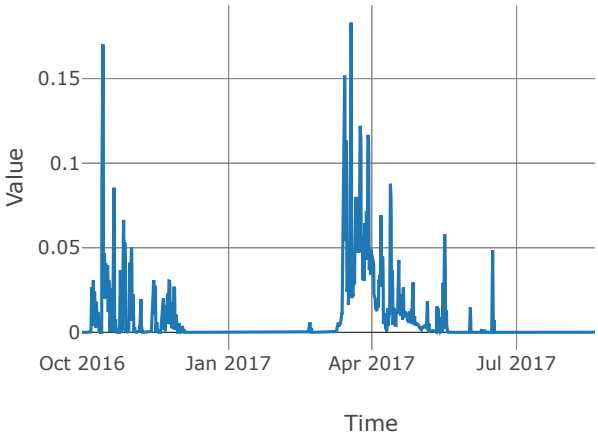
Cumulative Precipitation



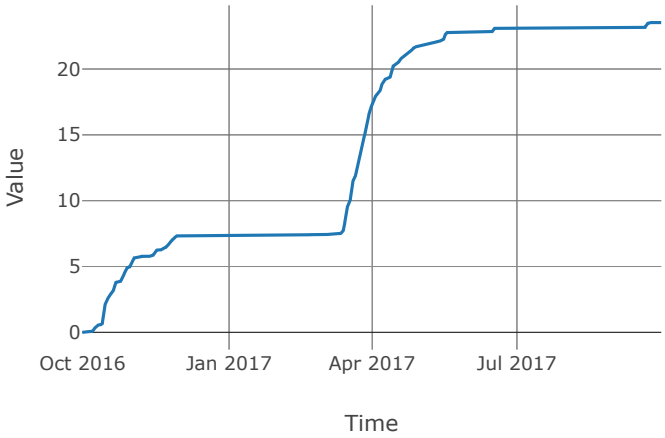
Air Temperature



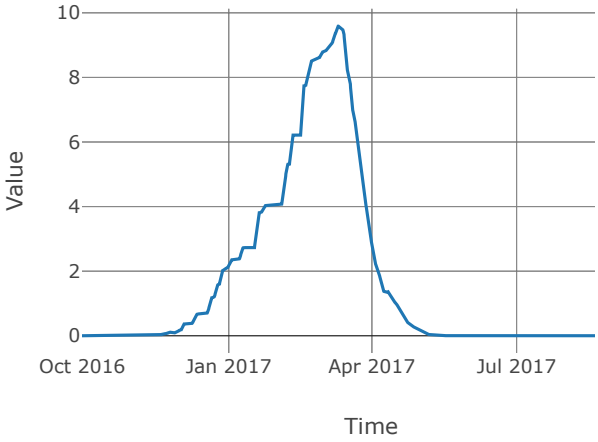
Liquid Water at Soil Surface



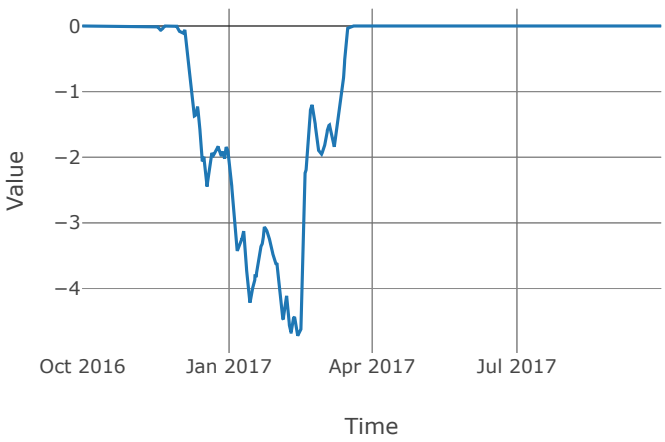
Cumulative LWASS



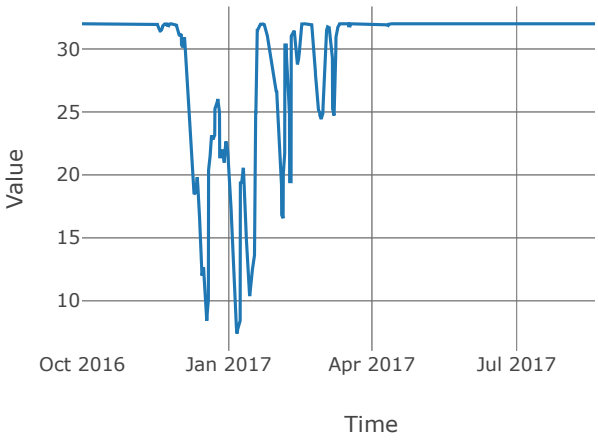
Snow Water Equivalent



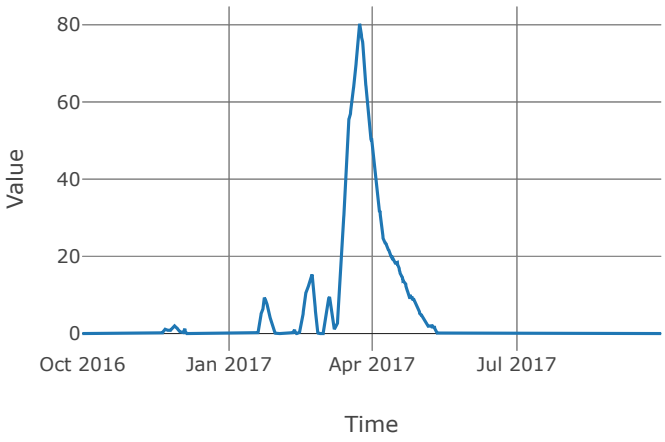
Cold Content



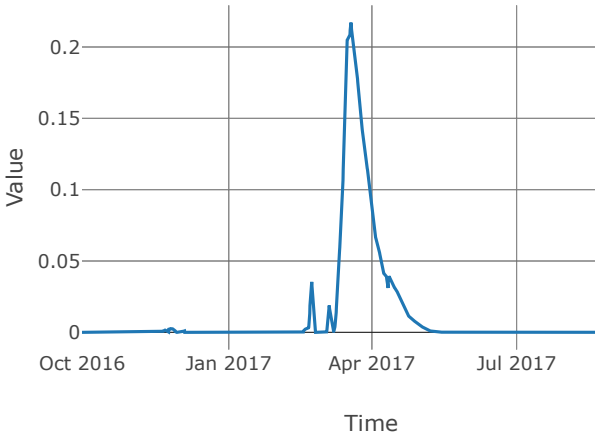
Cold Content ATI



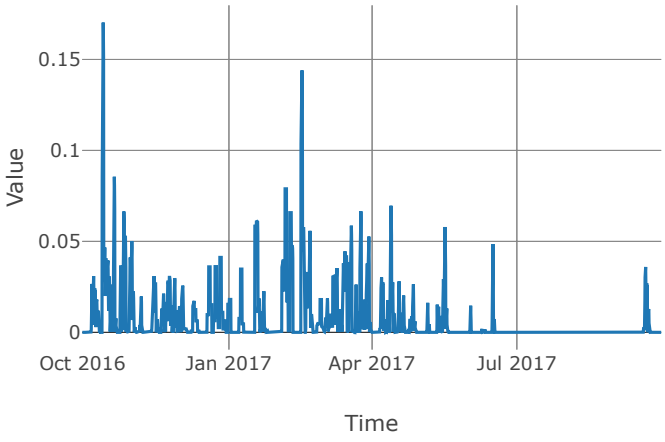
Melt Rate ATI



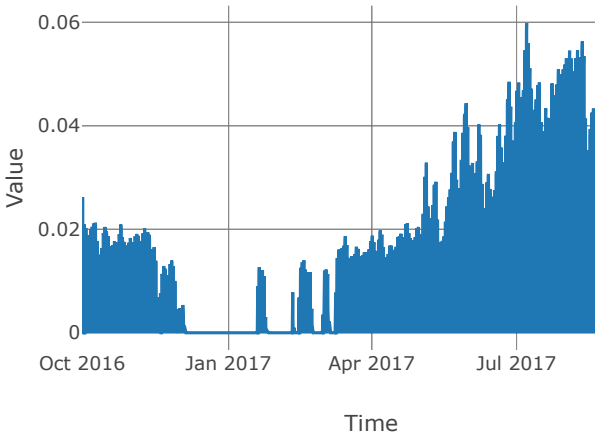
Liquid Water Content



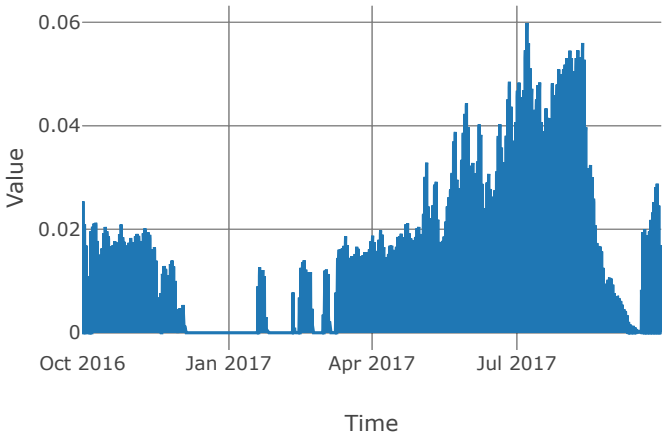
Canopy Overflow



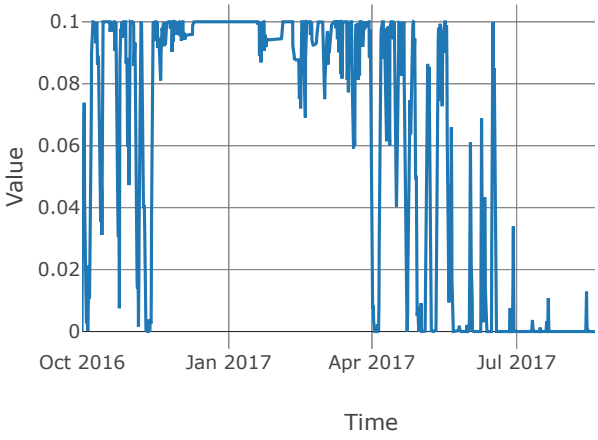
Potential Evapotranspiration



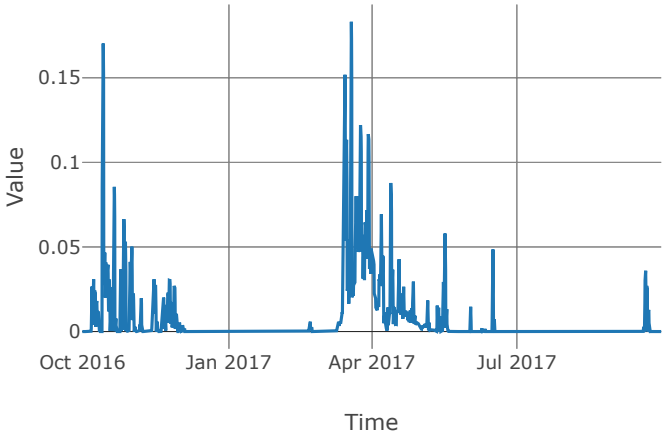
Canopy Evapotranspiration



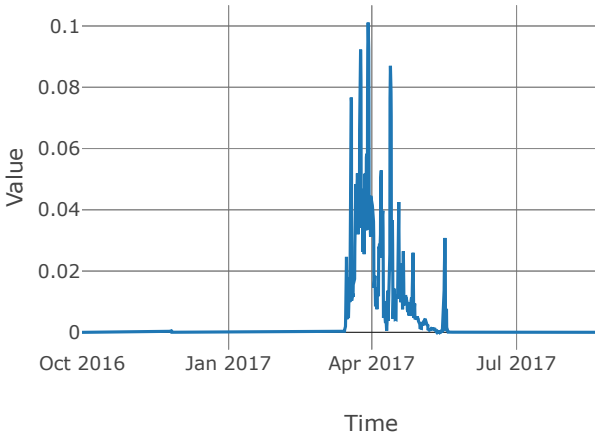
Canopy Storage



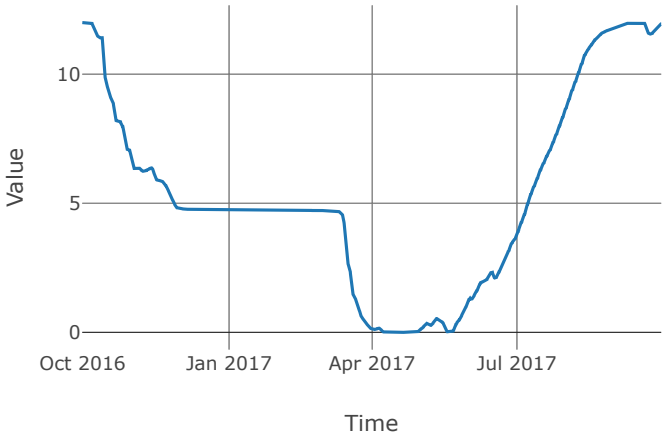
Soil Infiltration



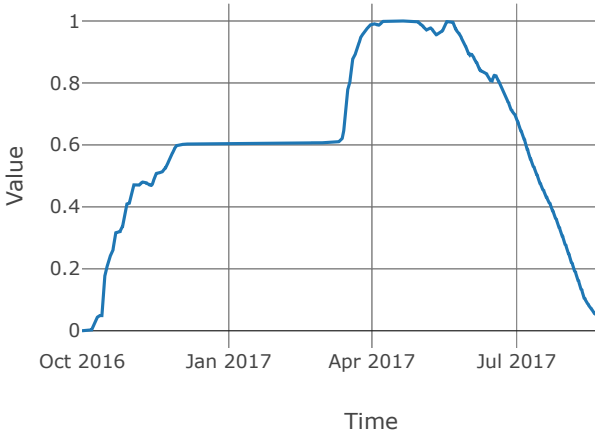
Soil Percolation



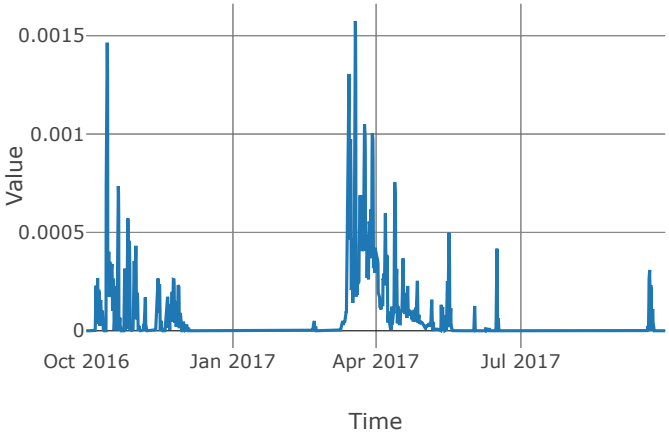
Moisture Deficit



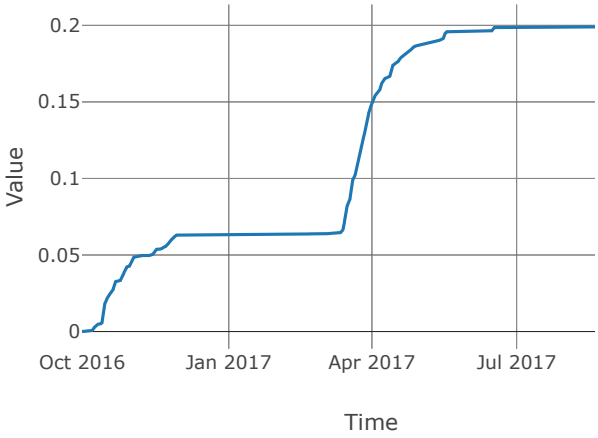
Saturation Fraction



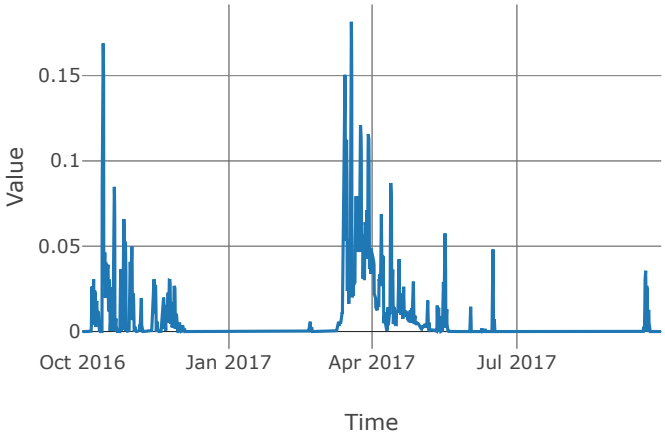
Excess Precipitation



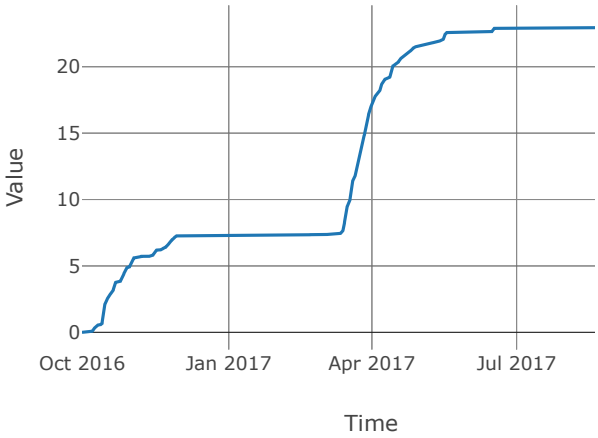
Cumulative Excess Precipitation



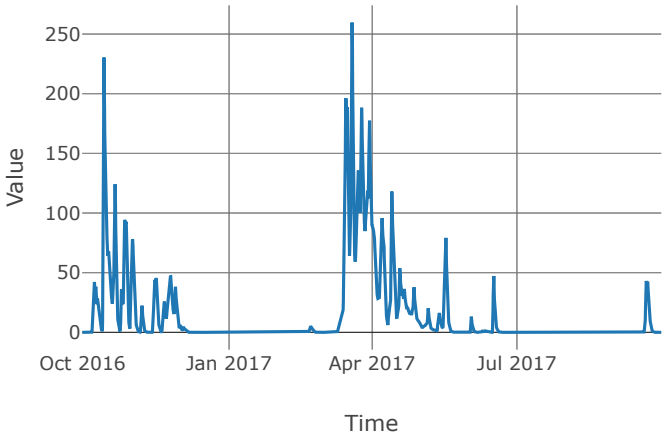
Precipitation Loss



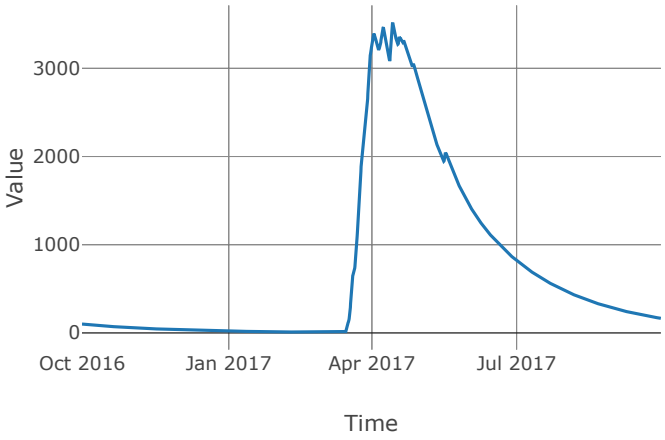
Cumulative Precipitation Loss



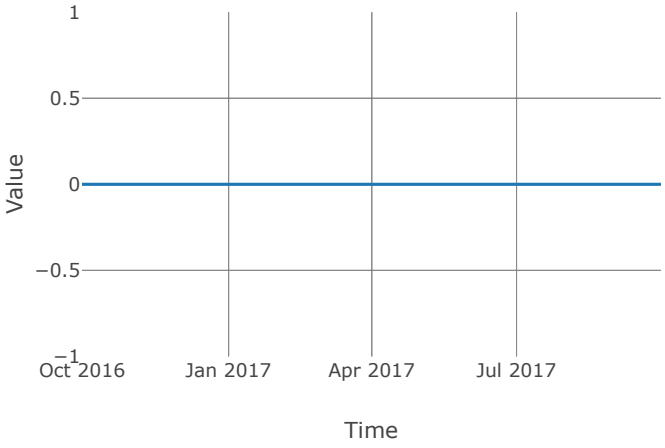
Direct Runoff



Baseflow

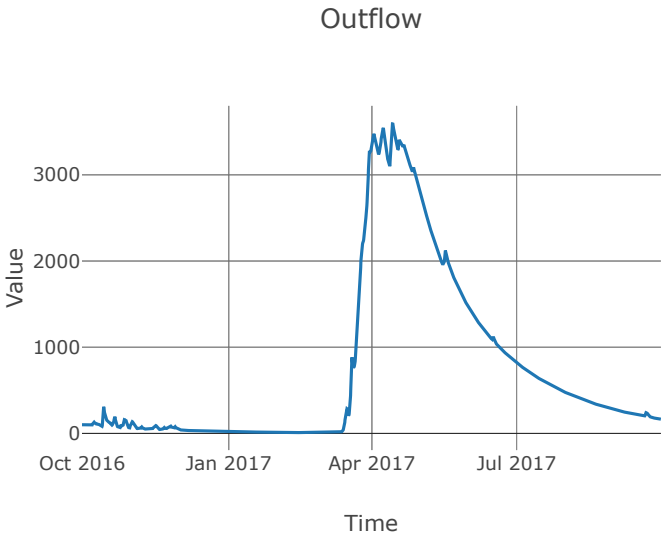


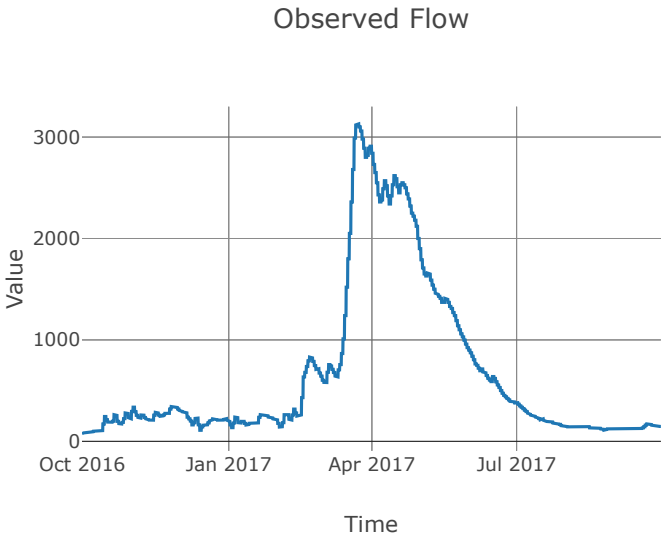
Aquifer Recharge

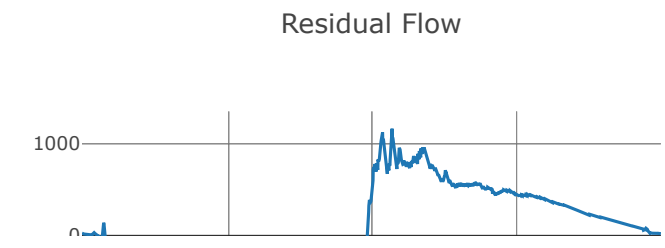


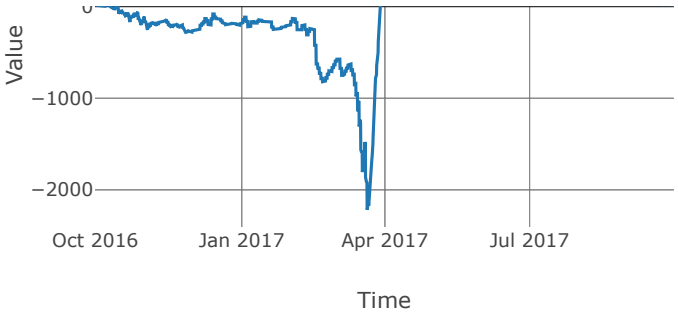
ColvilleRvAtKettleFalls: Junction

Name : Colville Rv At Kettle Falls
Downstream : ColvilleRv_CF
Element Type : Junction
Observed Hydrograph : Colville river at kettle fal

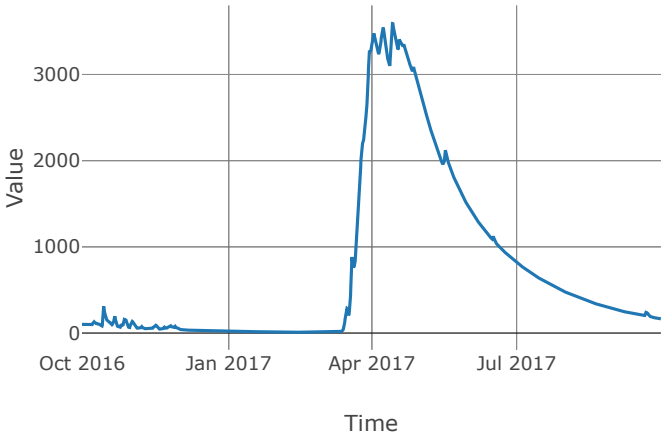






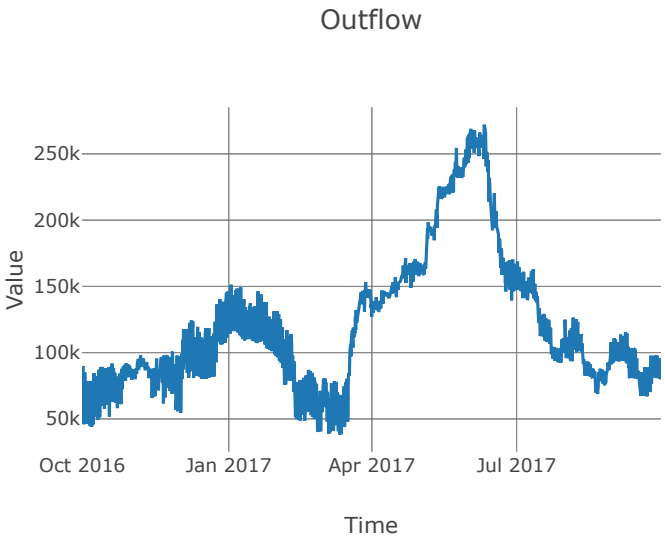


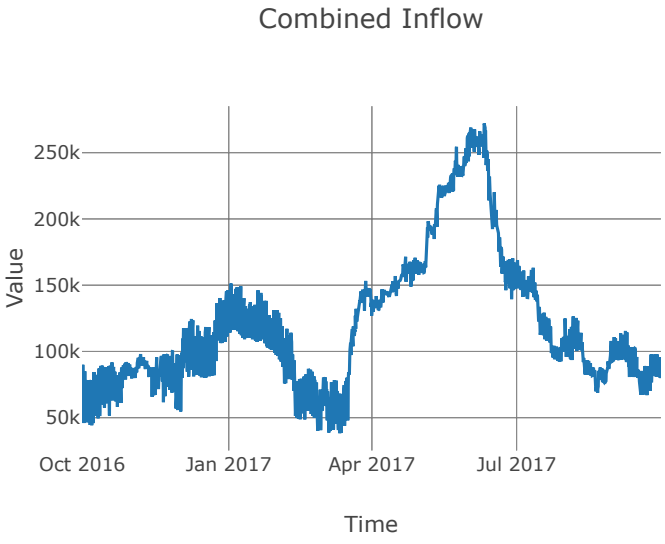
Combined Inflow



ColvilleRv_CF: Junction

Name : ColvilleRv_CF
Downstream : MidColumbia_R100
Element Type : Junction

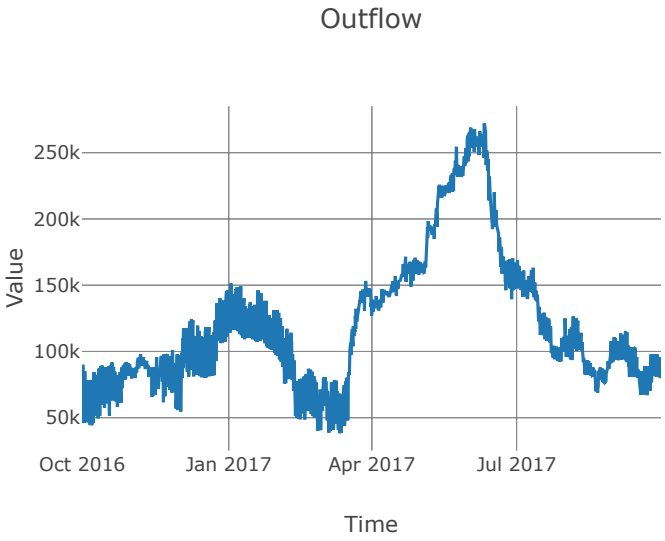


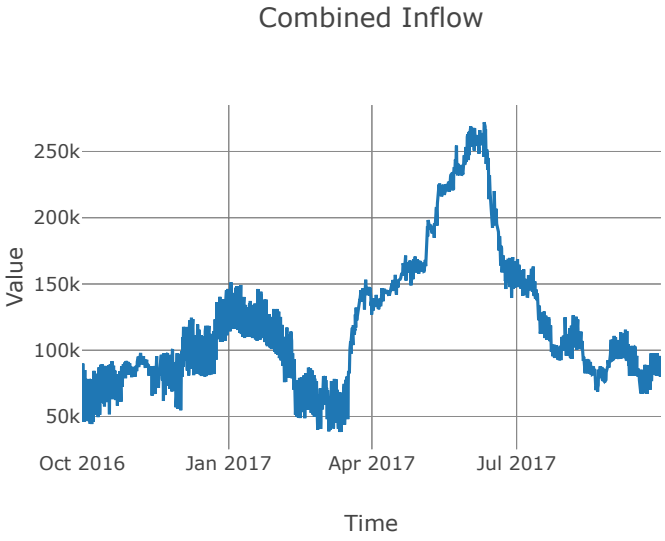


MidColumbia_R100: Reach

Loss Method : None
Name : MidColumbia_R100
Downstream : SpokaneRv_CF
Element Type : Reach

	Route
Method	Route None
Initial Variable	Combined Inflow
Channel Type	Unknown

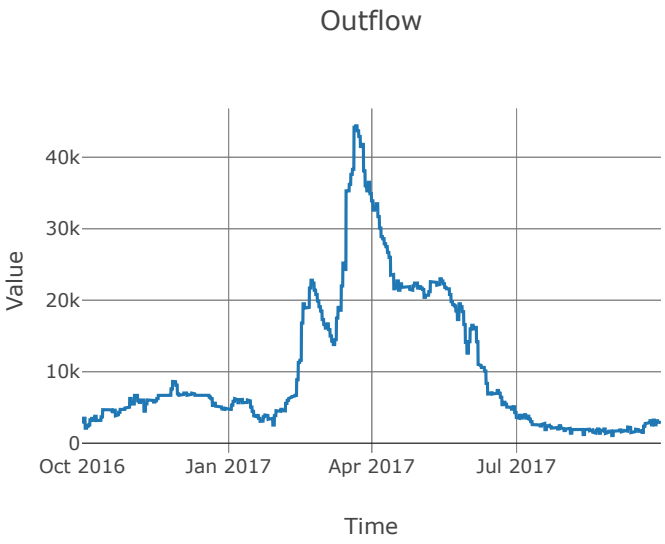




SpokaneRv: Source

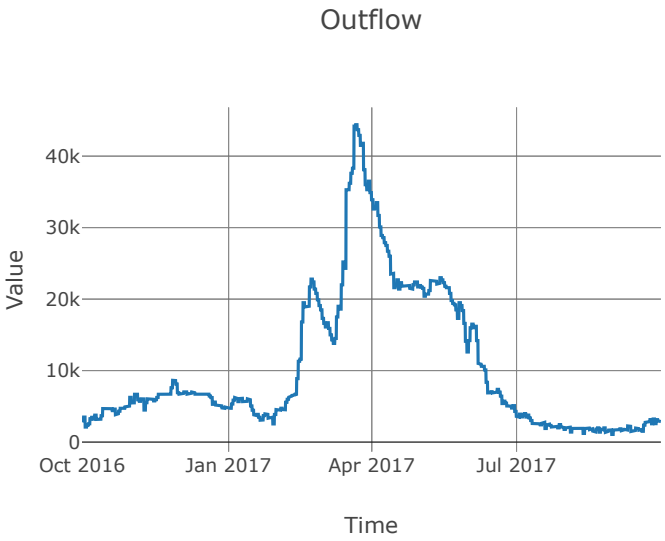
Area : 6020.0
Name : Spokane Rv
Downstream : Spokane In
Element Type : Source

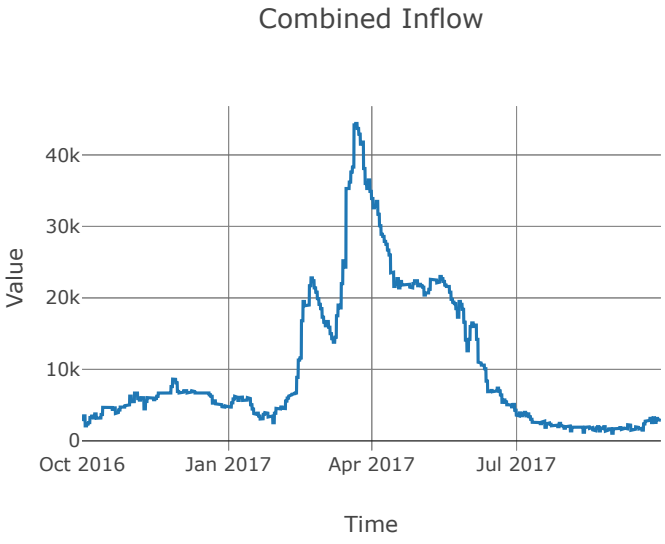
	Flow Source
Flow Ratio	-3.4028234663852886e38
Period Outflow	0.0



SpokaneIn: Junction

Name : Spokane In
Downstream : SpokaneRv_CF
Element Type : Junction





MidColumbia_S100: Subbasin

Area : 1130.4
Latitude : 48.300723379849366
Downstream : SpokaneRv_CF
Name : MidColumbia_S100
Element Type : Subbasin
Longitude : 118.298779866771

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	5.86
Method	Deficit Constant
Initial Deficit	12.0
Maximum Deficit	12.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	17.53
Storage Coefficient	17.53

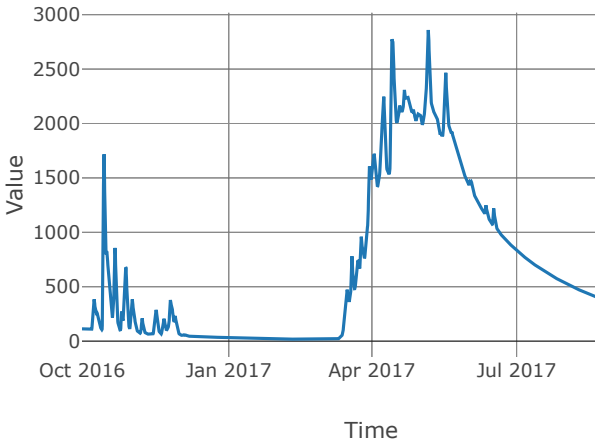
Baseflow	
Method	Linear Reservoir

Baseflow Layer List	
Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	350.6
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.1
Layer Number 2	2
Storage Coefficient 2	1753.0
Number Steps 2	1.0

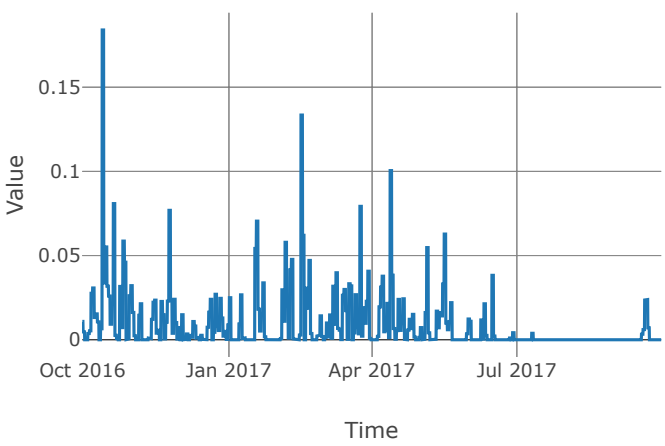
Statistics

Name	Value	Unit
Baseflow Volume	380126.5579	Ac-ft
Precipitation Volume	1647335.3983306	Ac-ft
Loss Volume	1162145.4154791	Ac-ft
Excess Volume	72340.897968	Ac-ft

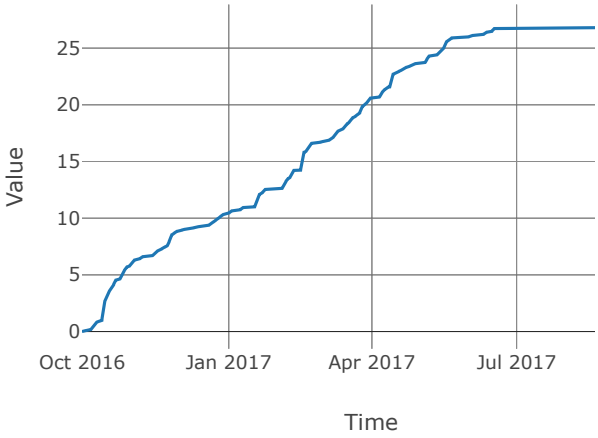
Outflow



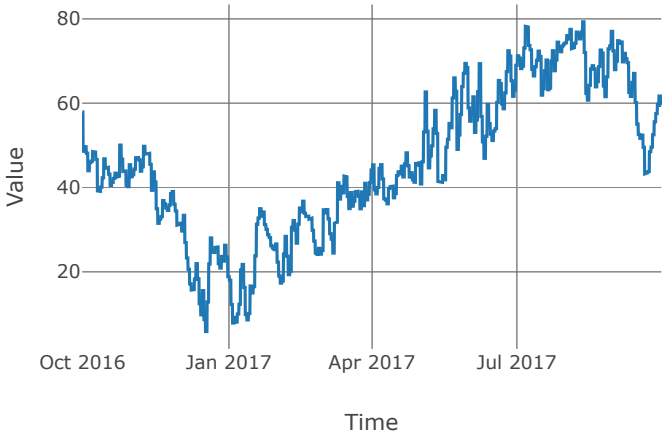
Precipitation



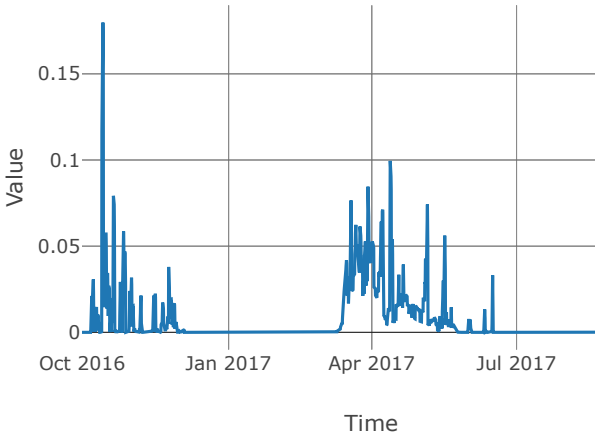
Cumulative Precipitation



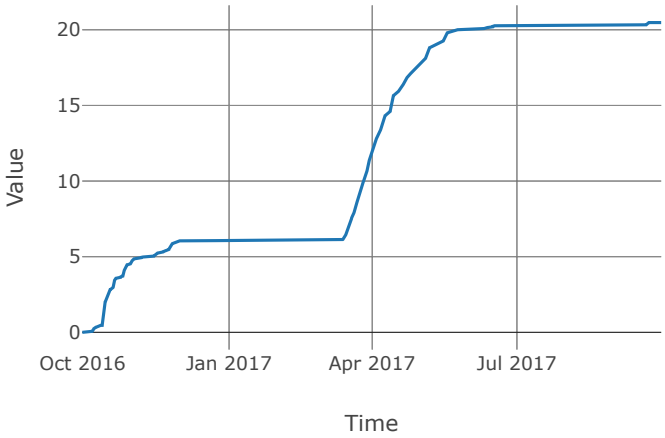
Air Temperature



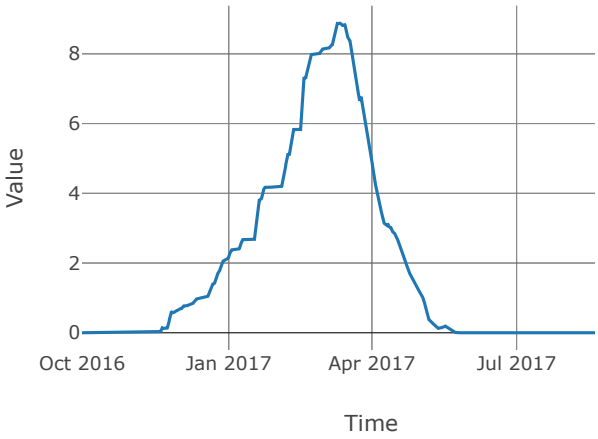
Liquid Water at Soil Surface



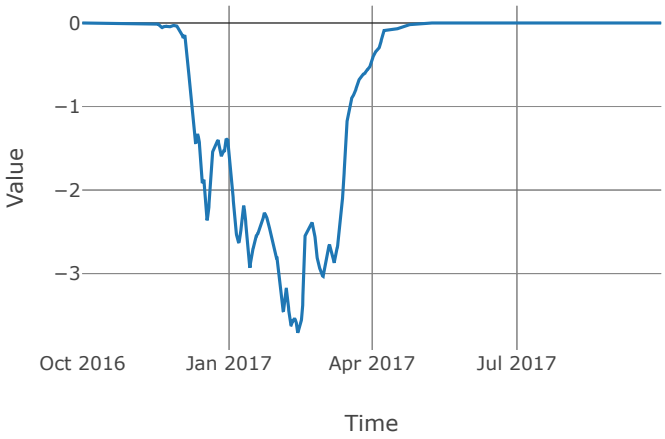
Cumulative LWASS



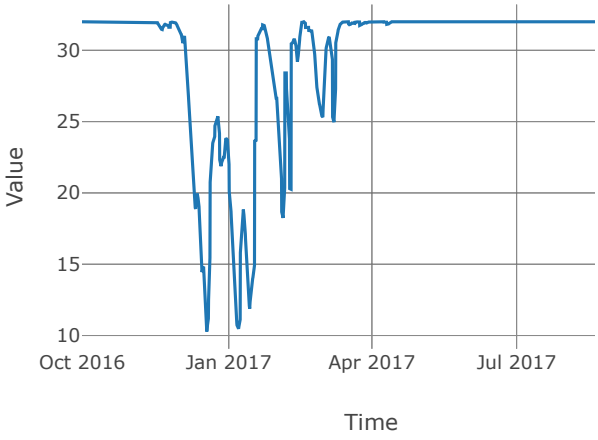
Snow Water Equivalent



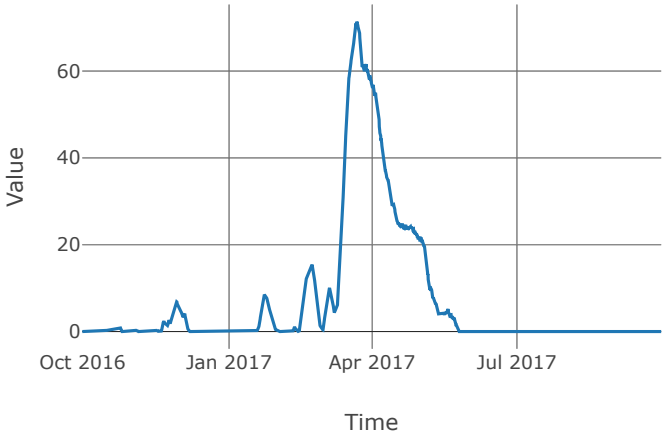
Cold Content



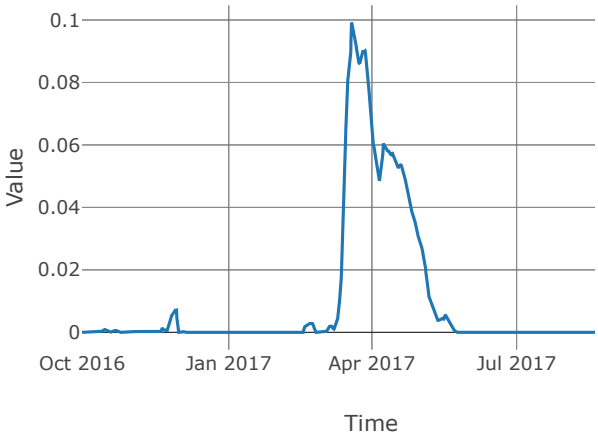
Cold Content ATI



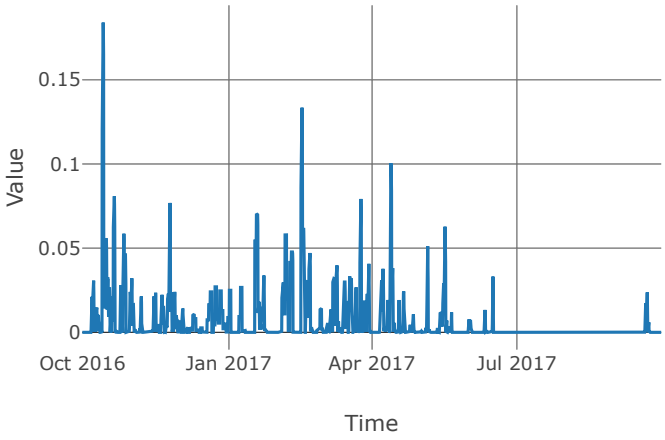
Melt Rate ATI



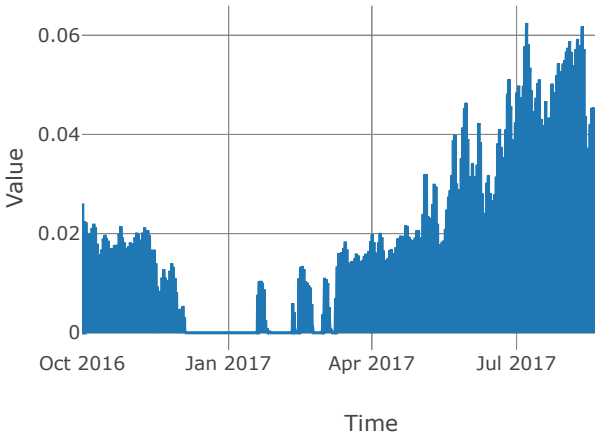
Liquid Water Content



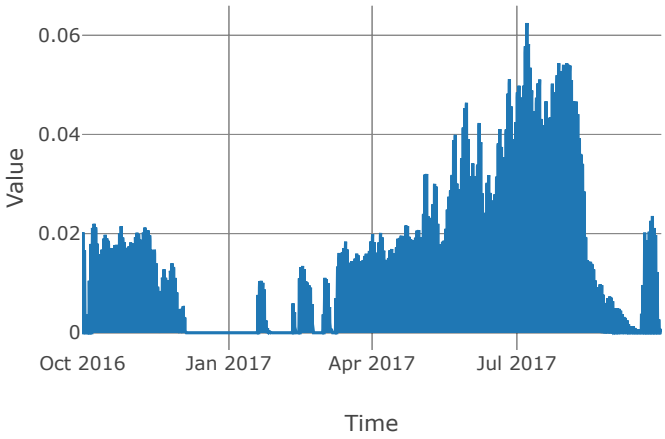
Canopy Overflow



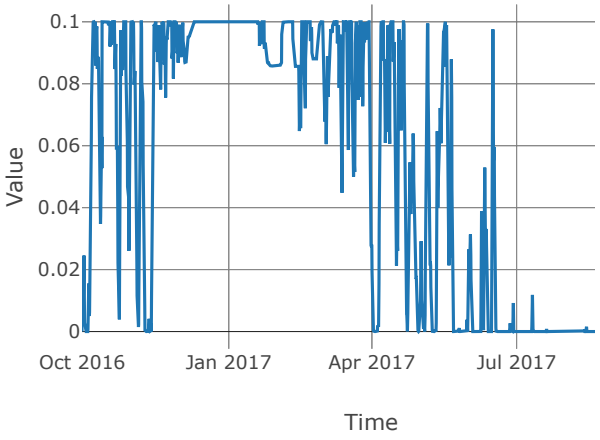
Potential Evapotranspiration



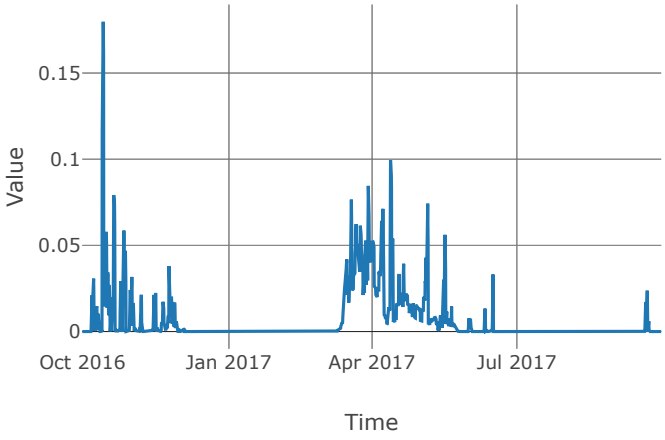
Canopy Evapotranspiration



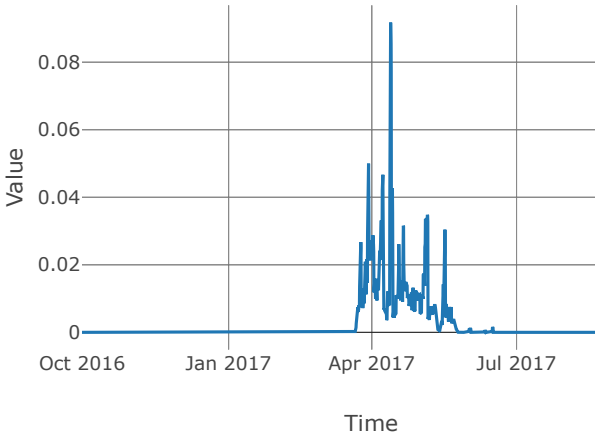
Canopy Storage



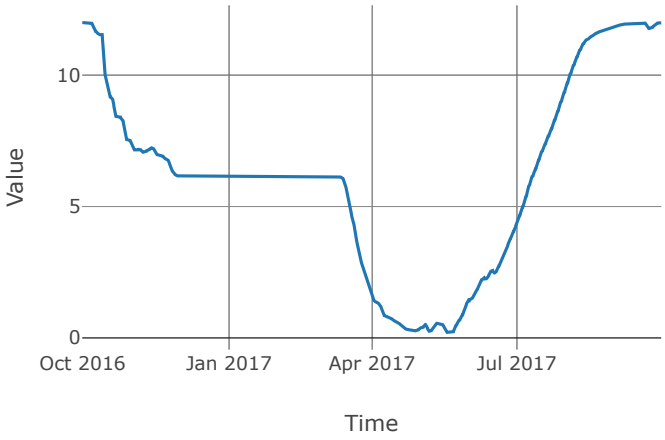
Soil Infiltration



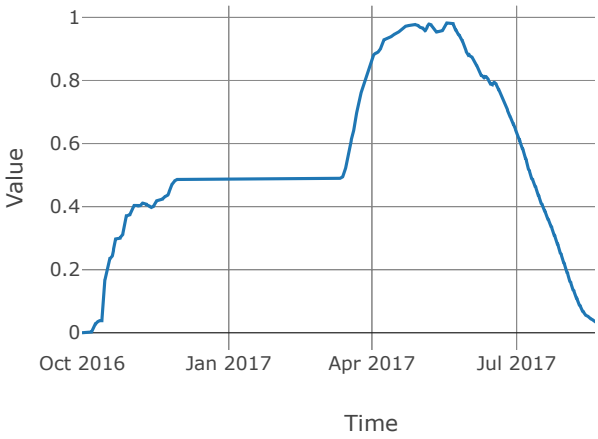
Soil Percolation



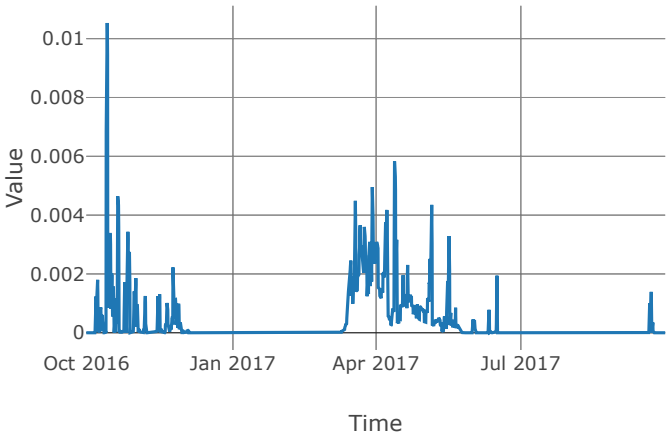
Moisture Deficit



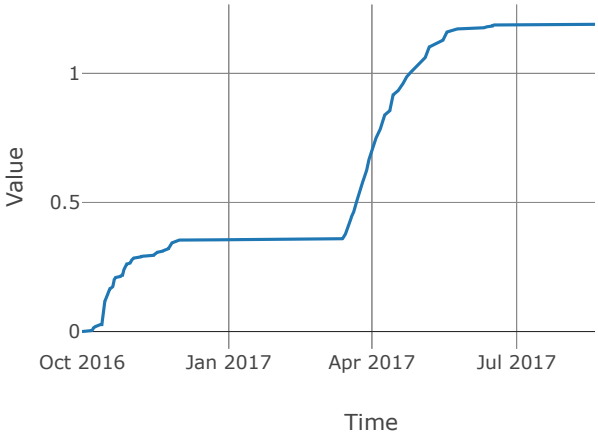
Saturation Fraction



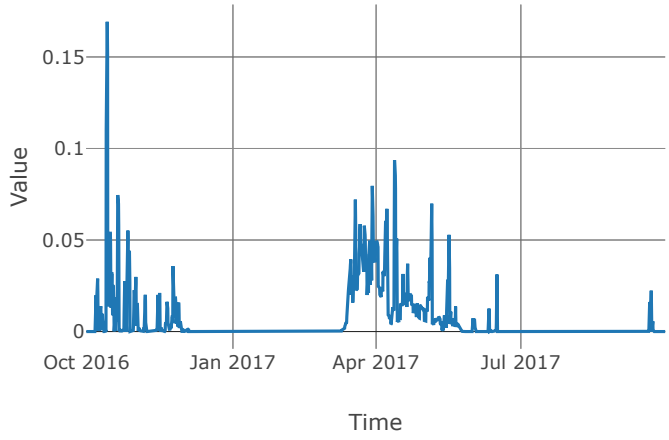
Excess Precipitation



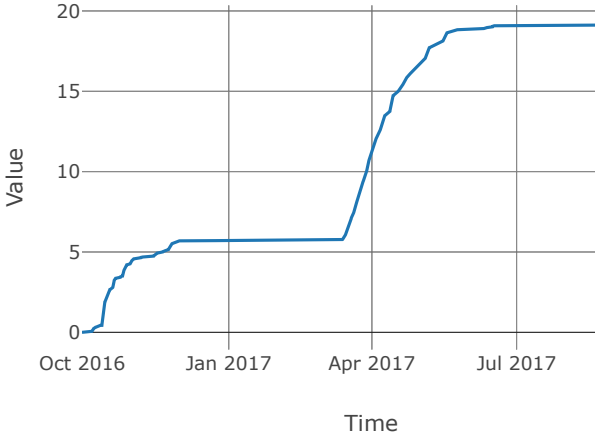
Cumulative Excess Precipitation



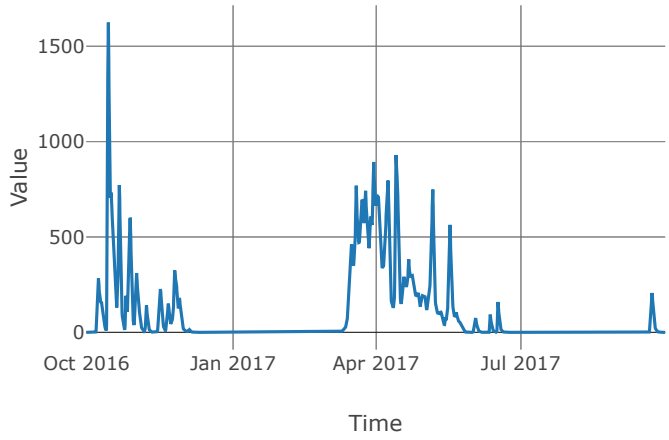
Precipitation Loss



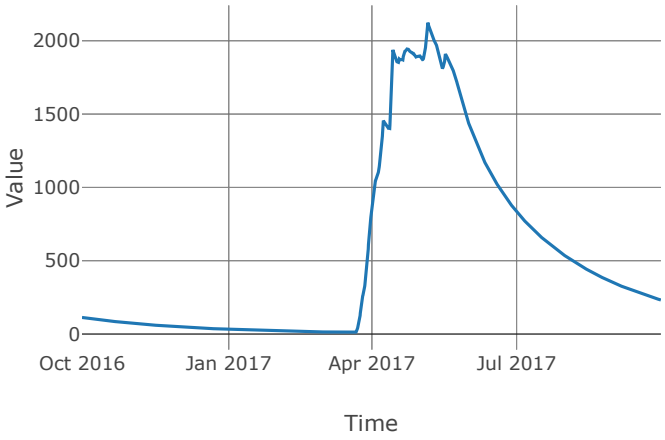
Cumulative Precipitation Loss



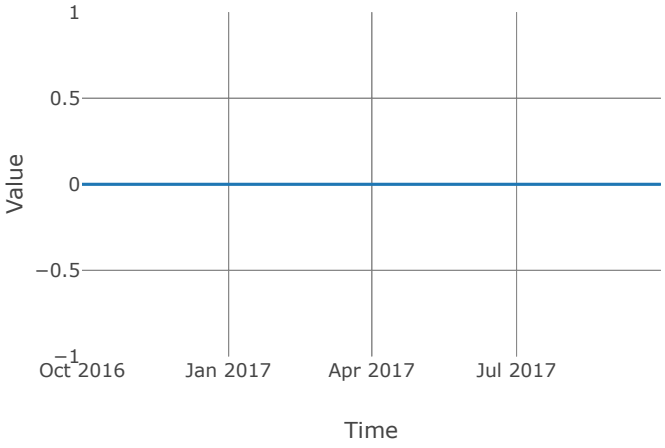
Direct Runoff



Baseflow

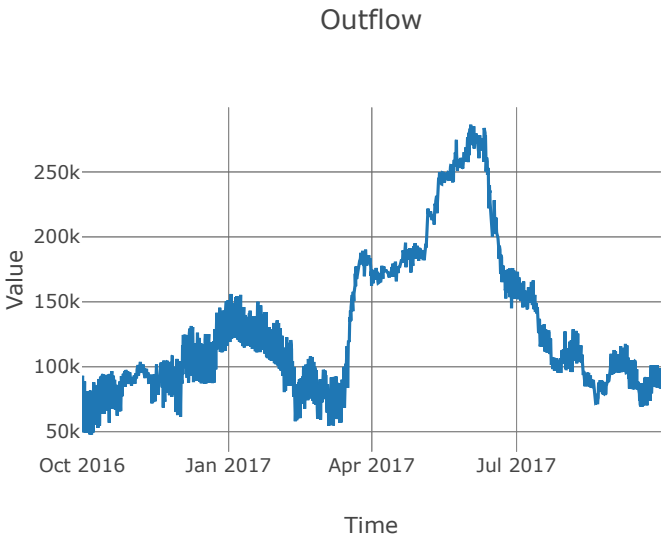


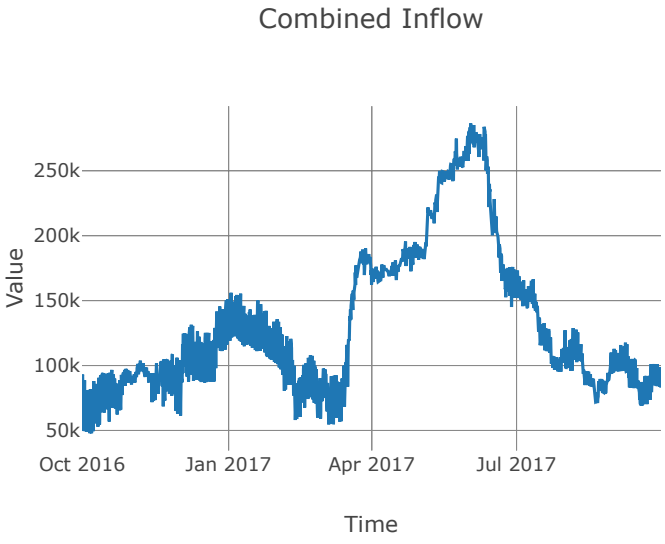
Aquifer Recharge



SpokaneRv_CF: Junction

Name : SpokaneRv_CF
Downstream : MidColumbia_R095
Element Type : Junction

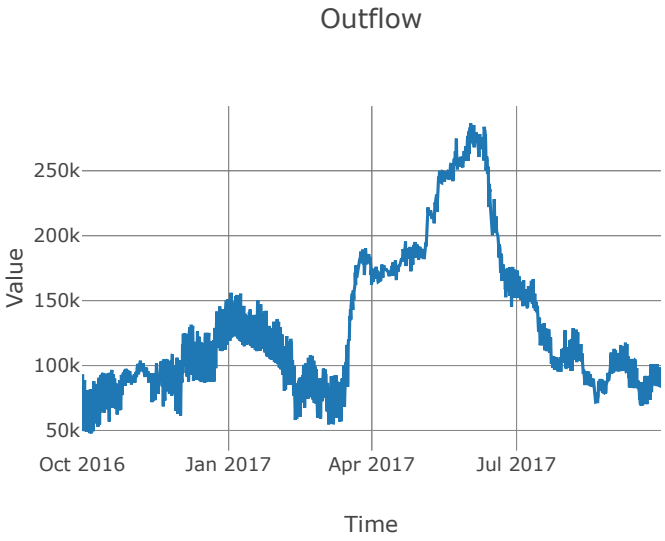


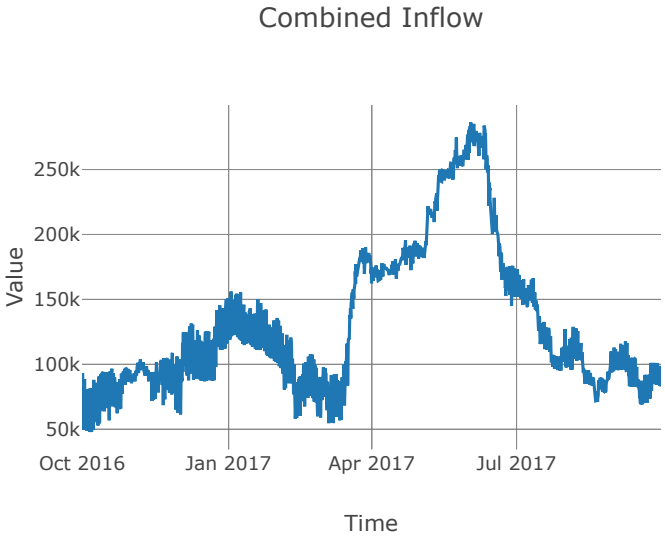


MidColumbia_R095: Reach

Loss Method : None
Name : MidColumbia_R095
Downstream : SanpoilRv_CF
Element Type : Reach

Route	
Method	Route None
Initial Variable	Combined Inflow
Channel Type	Unknown





SanpoilRv_S010: Subbasin

Area : 890.88
Latitude : 48.47097362667427
Downstream : Sanpoil Rv
Name : SanpoilRv_S010
Element Type : Subbasin
Longitude : 118.8070865003949

Surface	
Method	None

Loss Rate	
Percolation Rate	0.25
Percent Impervious Area	0.25
Method	Deficit Constant
Initial Deficit	6.0
Maximum Deficit	6.0
Recovery Factor	1.0

Canopy	
Initial Storage	0.0
Uptake Method	Simple
Method	Simple
Allow Simultaneous Precip Et	True
Crop Coefficient	1.0
Storage Capacity	0.1

Transform	
Clark Method Type	Specified
Time Area Method	Default
Method	Mod Clark
Grid Region Name	Middle Columbia
Time Of Concentration	14.06
Storage Coefficient	14.06

Baseflow

Method	Linear Reservoir

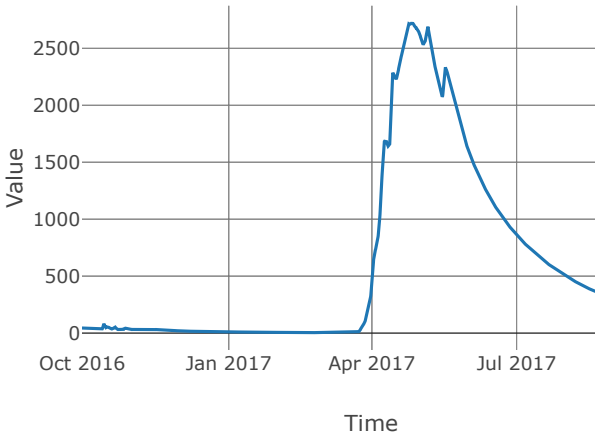
Baseflow Layer List

Baseflow Fraction 1	0.2
Initial Rate 1	0.0
Layer Number 1	1
Storage Coefficient 1	281.2
Number Steps 1	1.0
Baseflow Fraction 2	0.8
Initial Rate 2	0.05
Layer Number 2	2
Storage Coefficient 2	1406.0
Number Steps 2	1.0

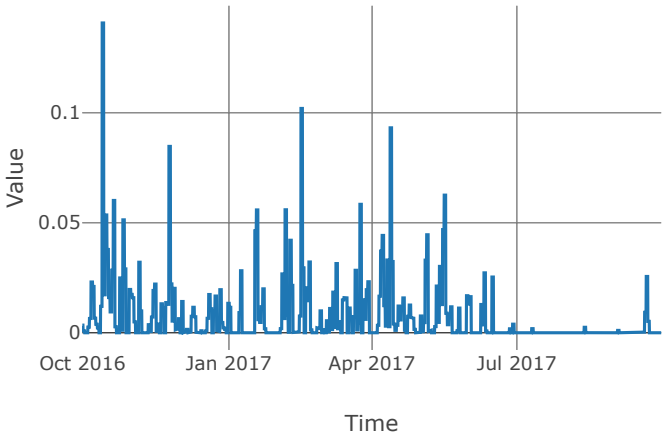
Statistics

Name	Value	Unit
Baseflow Volume	407582.9561559	Ac-ft
Precipitation Volume	1062535.8349847	Ac-ft
Loss Volume	763618.1529293	Ac-ft
Excess Volume	1913.8299572	Ac-ft

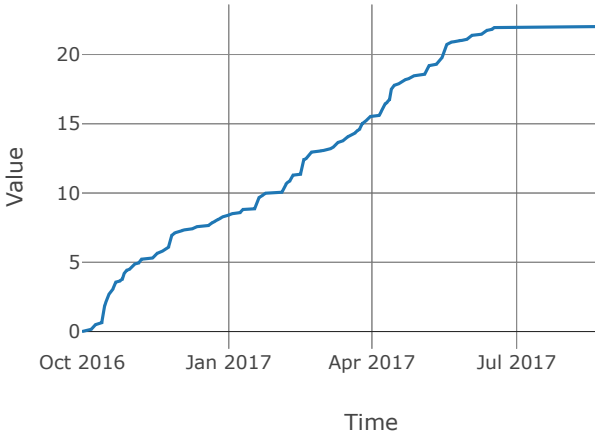
Outflow



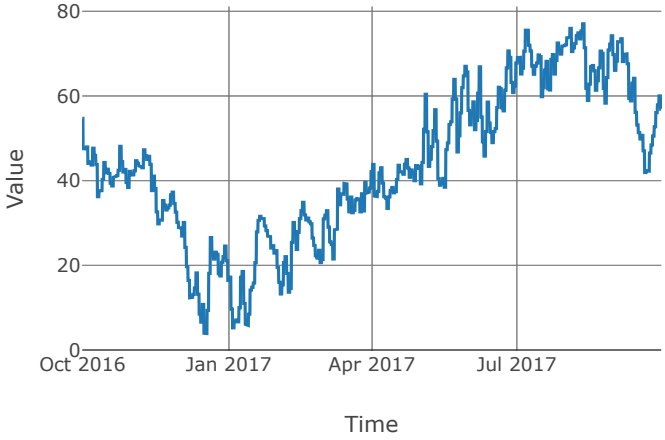
Precipitation



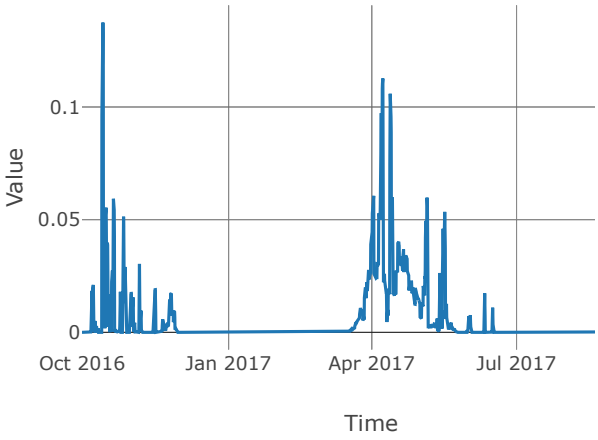
Cumulative Precipitation



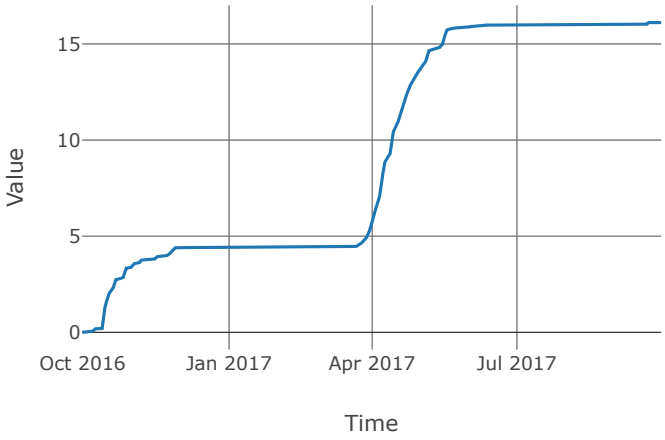
Air Temperature



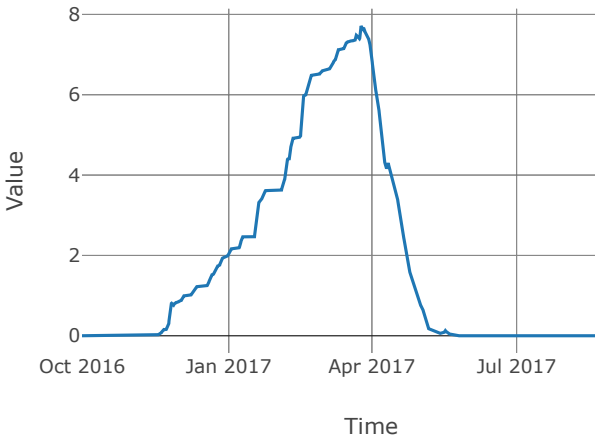
Liquid Water at Soil Surface



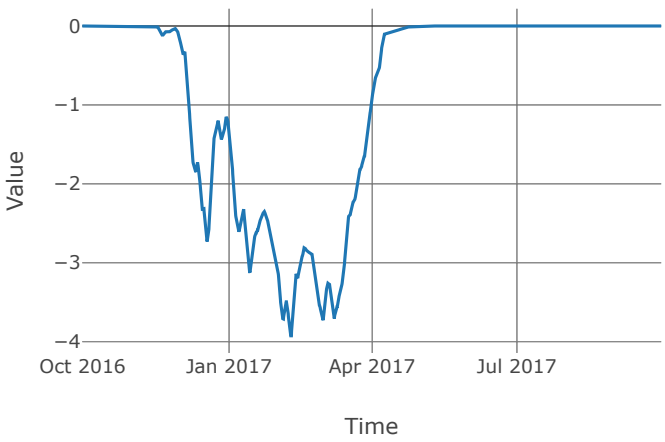
Cumulative LWASS



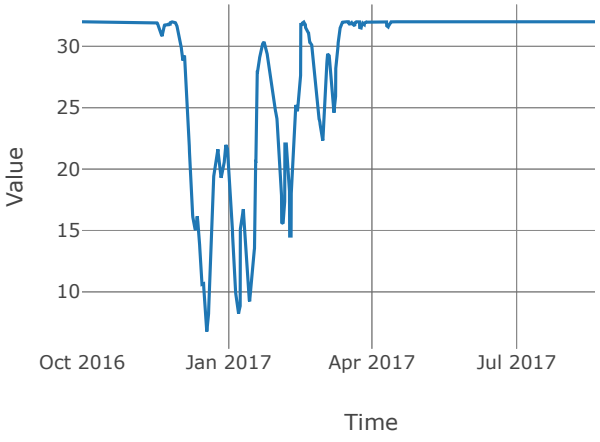
Snow Water Equivalent



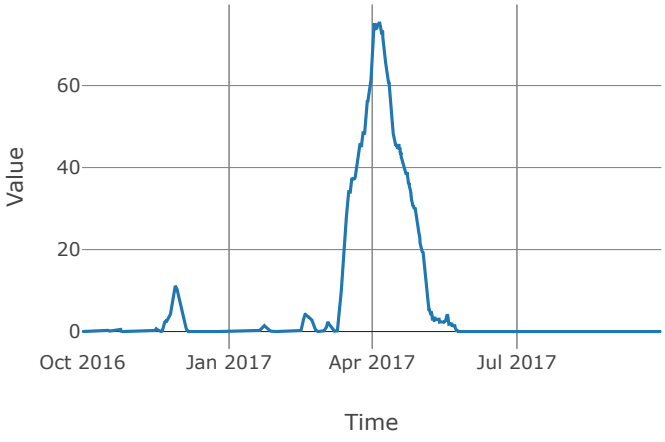
Cold Content



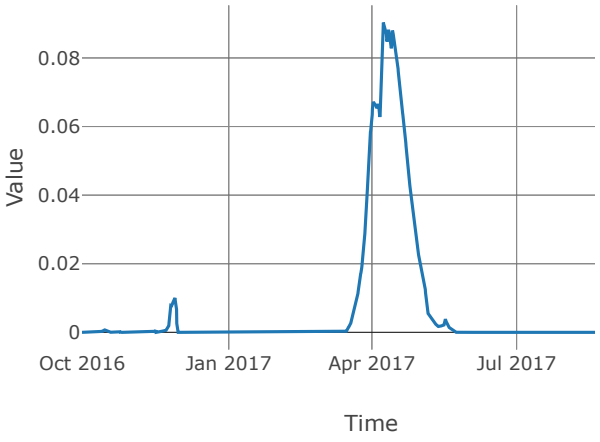
Cold Content ATI



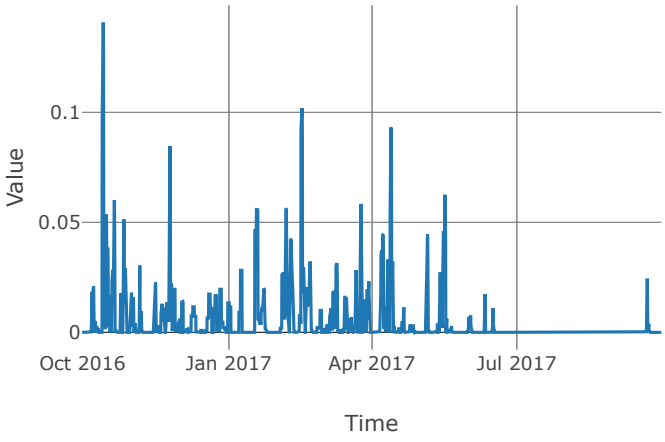
Melt Rate ATI



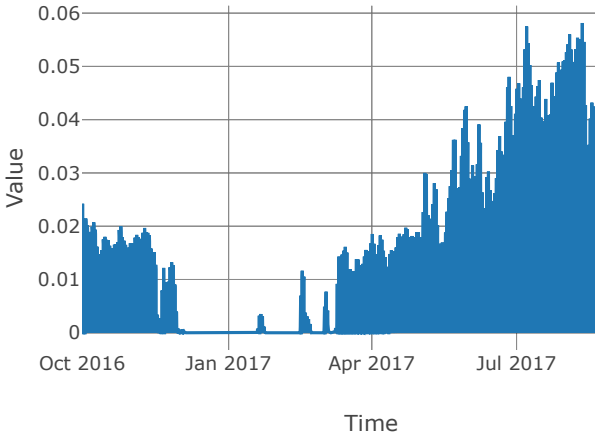
Liquid Water Content



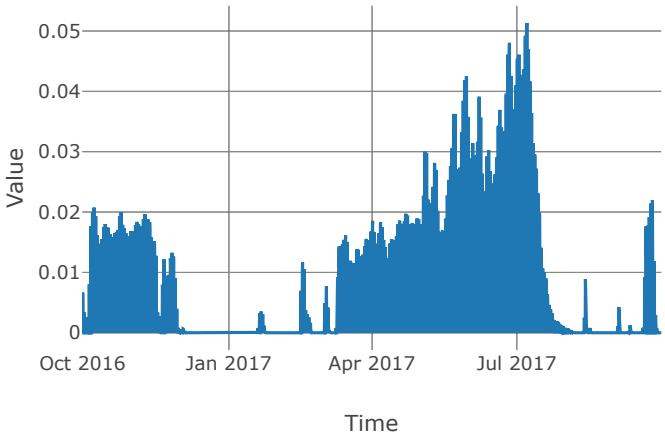
Canopy Overflow



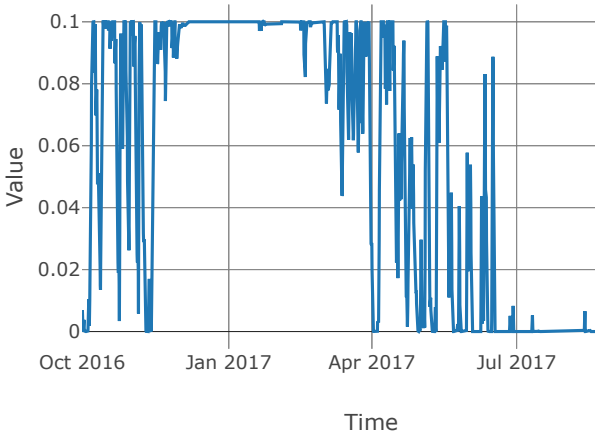
Potential Evapotranspiration



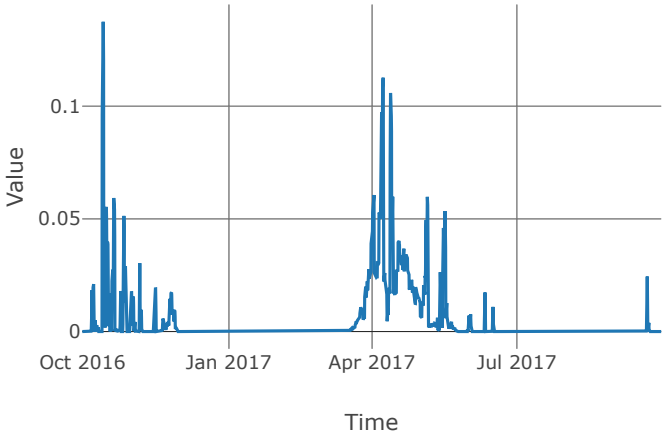
Canopy Evapotranspiration



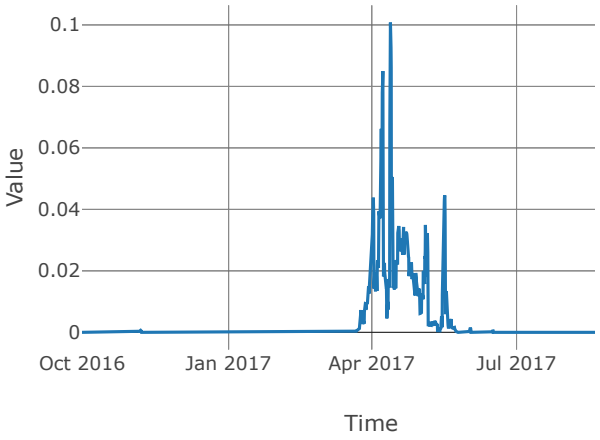
Canopy Storage



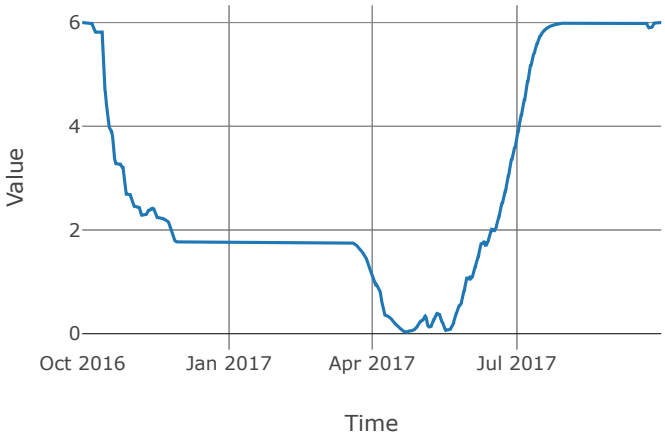
Soil Infiltration



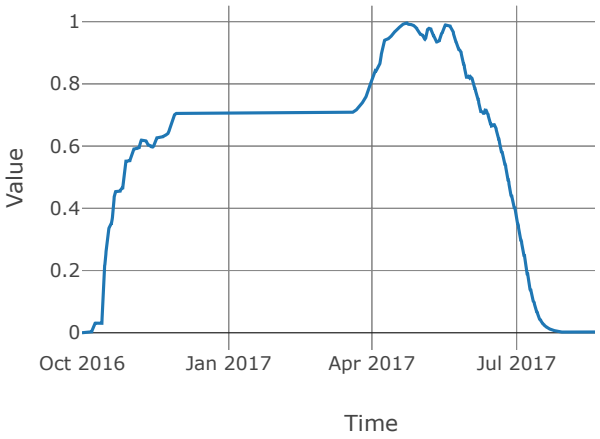
Soil Percolation



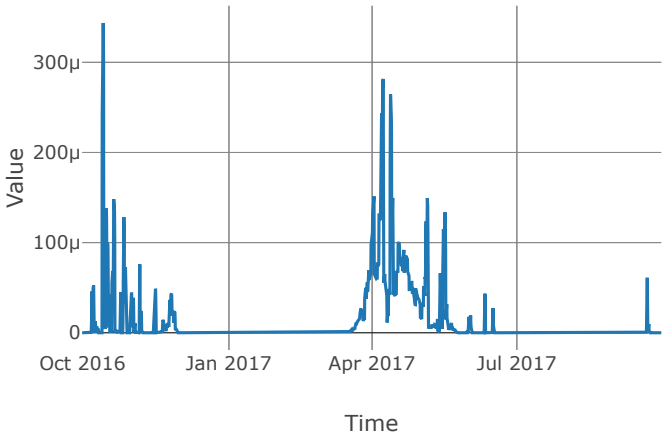
Moisture Deficit



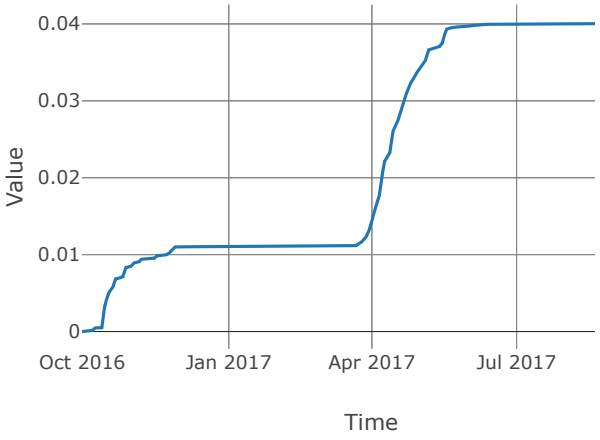
Saturation Fraction



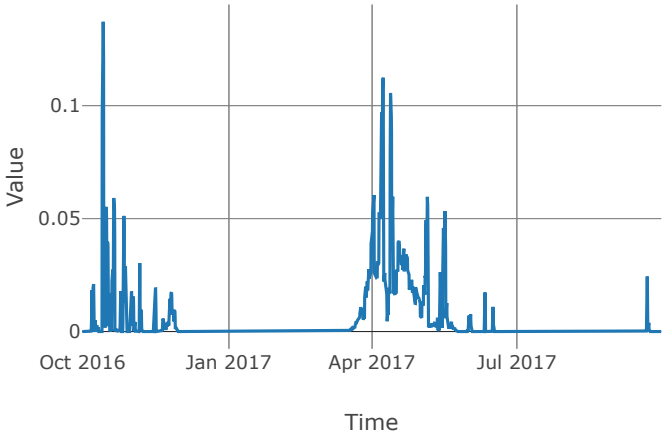
Excess Precipitation



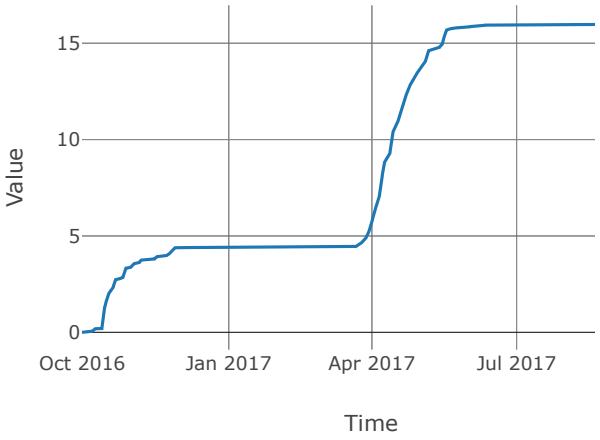
Cumulative Excess Precipitation



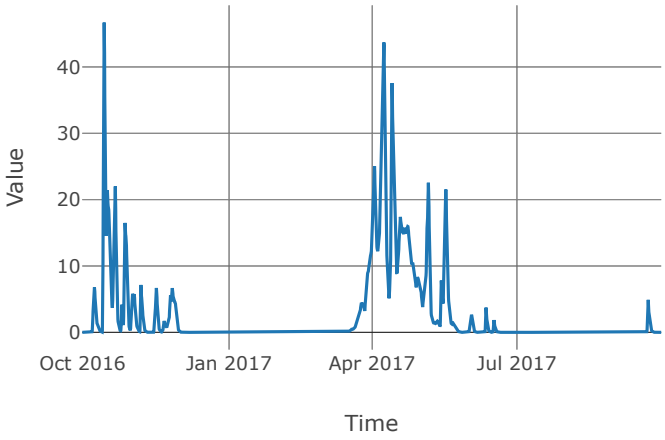
Precipitation Loss



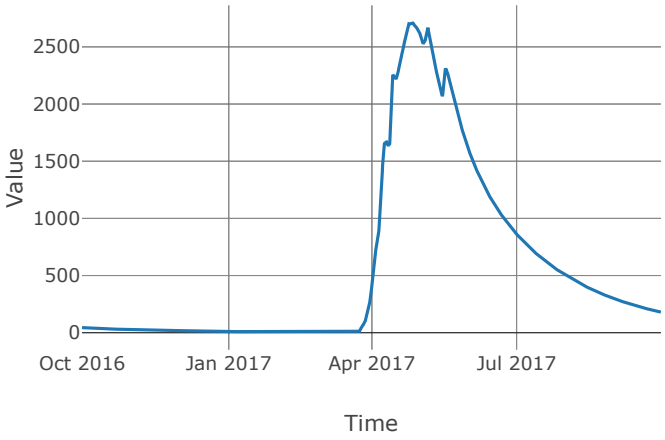
Cumulative Precipitation Loss



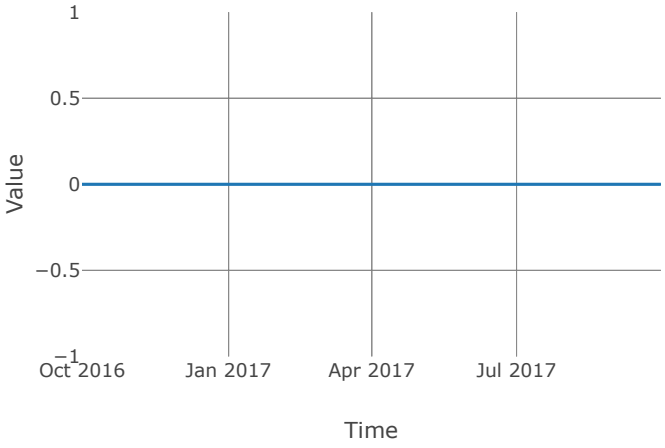
Direct Runoff



Baseflow



Aquifer Recharge



SanpoilRv: Junction

Name : Sanpoil Rv
Downstream : SanpoilRv_CF
Element Type : Junction
Observed Hydrograph : Sanpoil river above jack cre