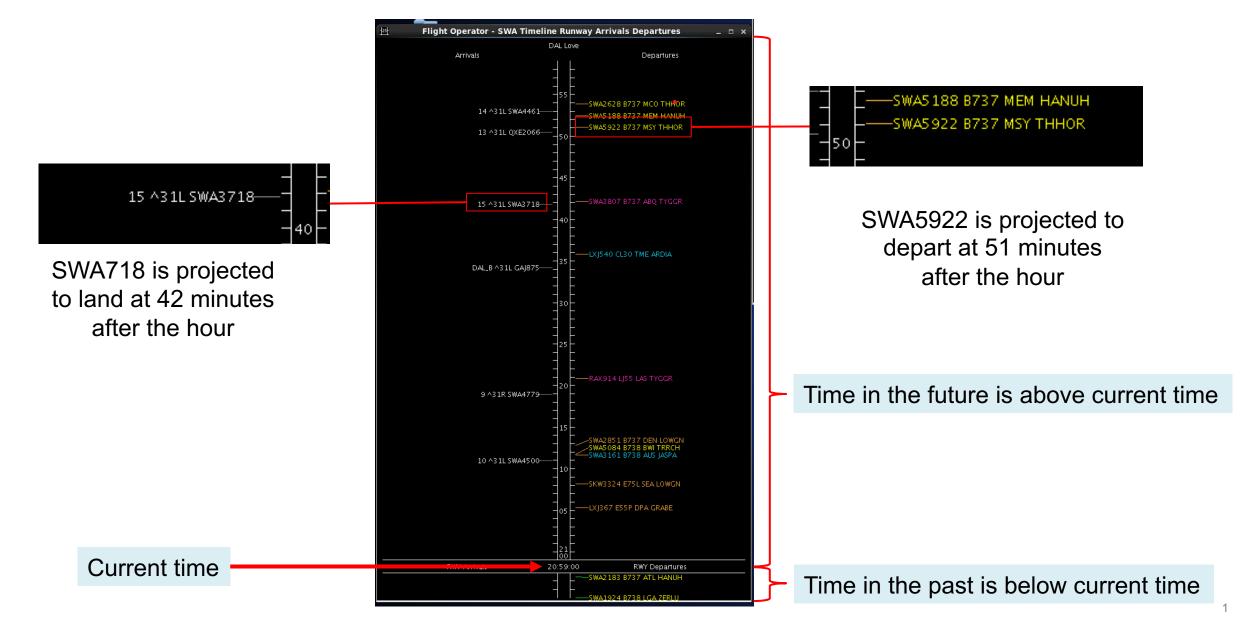


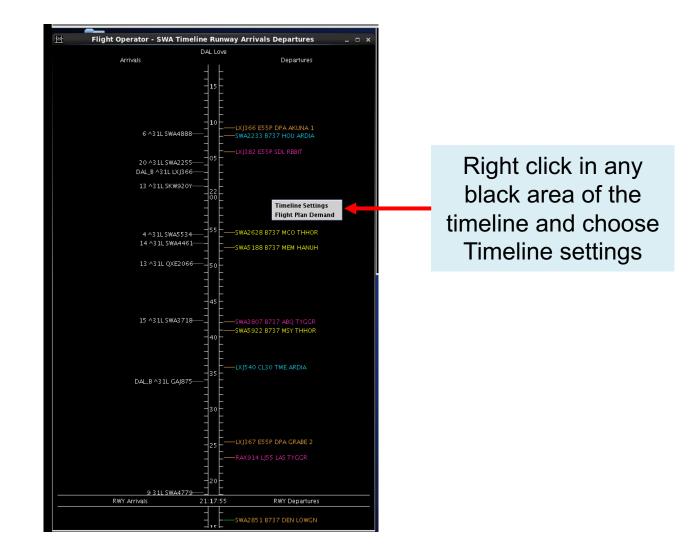
How To Read the Timeline













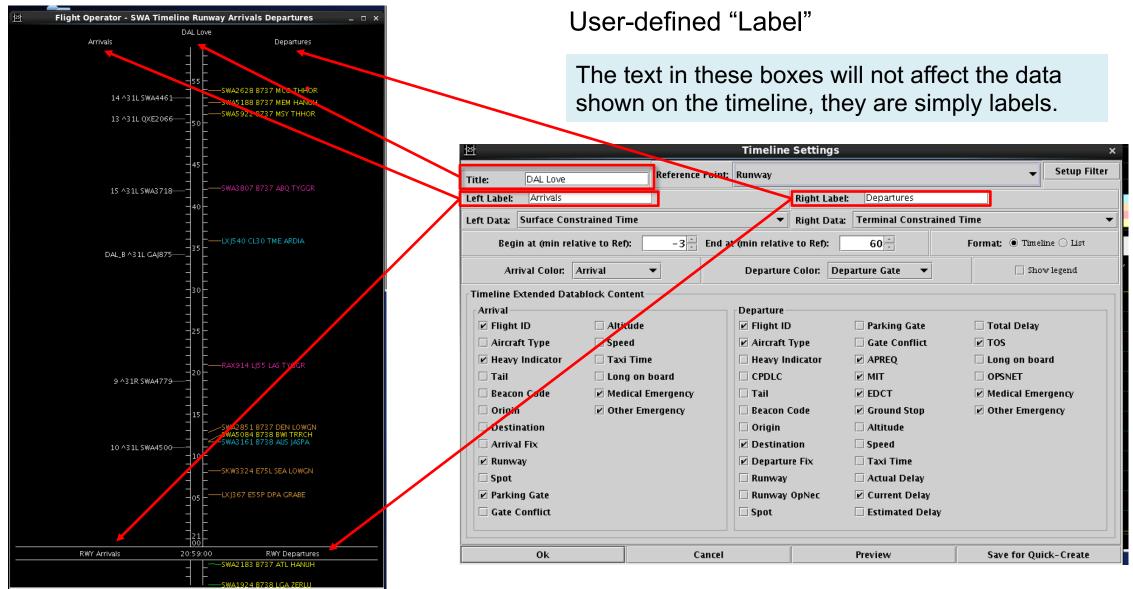


25			Timeline	Settings		×		
Title:	DAL Love	Reference Point:	Runway			▼ Setup Filter		
Left Label:	Arrivals			Right Label:	Departures			
Left Data: Surface Constrained Time				Right Data:	Terminal Constrained	Time 🔻		
Begi	Begin at (min relative to Ref): -3 End at (min relative to Ref): 60 Format: Timeline List							
Arrival Color: Arrival Departure Color: Departure Gate Show legend								
Timeline Extended Datablock Content								
Arrival			Departure					
🗹 Flight	ID 🗌 Altit	tude	🗹 Flight ID	I	Parking Gate	🗌 Total Delay		
🗌 🗌 Aircra	ft Type 🗌 Spec	ed	🗹 Aircraft 🛛	Гуре	Gate Conflict	✓ TOS		
🗹 Heavy	Indicator 🗌 Taxi	Time	🗌 Heavy In	dicator	✓ APREQ	Long on board		
🗌 Tail	🗌 Lon	g on board			🗹 MIT	OPSNET		
🗌 🗌 Beaco	n Code 🛛 🗹 Med	ical Emergency	🗌 Tail		🗹 EDCT	✓ Medical Emergency		
🗌 🗌 Origin	n 🗹 Oth	er Emergency	🗌 Beacon (Code	🗹 Ground Stop	✓ Other Emergency		
🗌 Destii	nation		🗌 Origin		🗌 Altitude			
🗌 🗌 Arriva	l Fix		🗹 Destinat	ion	Speed			
🗹 Runw	ay		🗹 Departu	re Fix	🗌 Taxi Time			
🗌 Spot			🗌 Runway		🗌 Actual Delay			
✓ Parking Gate			🗌 Runway	OpNec	🗹 Current Delay			
🗌 Gate (Conflict		🗌 Spot		Estimated Delay			
	Ok	Cancel			Preview	Save for Quick-Create		

The Timeline Settings menu will appear

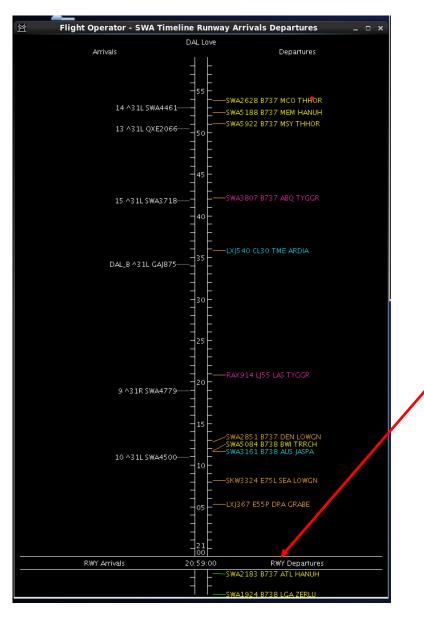












"Reference Point" for projected times

The projection of arrival and departure times at the runways is the commonly choice

Title: DAL Love	Reference Point:			✓ Setup Filter				
Left Label: Arrivals		Runway						
Left Data: Terminal Constrainer Time		Arr/Dep Fix Parking Gate	Arr/Dep Fix Parking Gate					
Spot								
Begin at (min relative to Ref):	Begin at (min relative to Ref): -3 End at (min relative to Ref): 60 Format: Inteline List							
Arrival Color: Arrival	•	Departure Color:	Departure Gate 🔻	Show legend				
Timeline Extender Datablock Content-								
Arrival		Departure						
🗹 Flight 💋 🗌 Altitude		🗹 Flight ID	Parking Gate	🗌 Total Delay				
🗌 Aircraft Type 👘 Speed		🗹 Aircraft Type	🗌 Gate Conflict	✓ TOS				
🖉 Jeavy Indicator 🛛 🗌 Taxi Time		🗌 Heavy Indicator	✓ APREQ	Long on board				
🗌 Tail 🛛 🗌 Long on b	oard		🗹 MIT	OPSNET				
🔲 Beacon Code 🛛 🗹 Medical E	mergency	🗌 Tail	✓ EDCT	✓ Medical Emergency				
🗌 Origin 🗾 Other Ema	ergency	🗌 Beacon Code	🗹 Ground Stop	✓ Other Emergency				
Destination		🗌 Origin	🗌 Altitude					
🗆 Arrival Fix		Destination	Speed					
🗹 Runway		🗹 Departure Fix	🗌 Taxi Time					
🗆 Spot		🗌 Runway	🗌 Actual Delay					
✓ Parking Gate		🗌 Runway OpNec	🗹 Current Delay					
🗌 Gate Conflict		🗌 Spot	Estimated Delay					
Ok	Cancel		Preview	Save for Quick-Create				

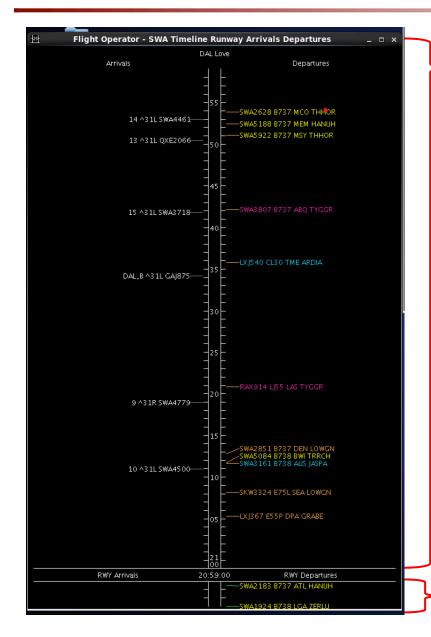




Selection of predicted times Click on down arrows 25 **Timeline Settings** Setup Filter Reference Point: Runway DAL Love Title: Arrivals **Pight Label:** Departures Left Label: K, Right Data: Terminal Constrained Time eft Data: Terminal Constrained Time Surface Constrained Time 60 Make sure Terminal to Ref): Format: 🖲 Timeline 🔾 List BegiTerminal Constrained Time Undelayed Time Arrival Color: Arrival Departure Color: Departure Gate Show legend Constrained Time is selected \mathbf{T} Timeline Extended Datablock Content in both the left data and right Arrival Departure ✓ Flight ID Altitude 🗹 Flight ID 🗌 Parking Gate 🗌 Total Delay data selection areas. Aircraft Type Speed ✓ Aircraft Type Gate Conflict ✓ TOS Heavy Indicator Heavy Indicator 🗌 Taxi Time ✓ APREQ Long on board 🗌 Tail Long on board CPDLC MIT MIT OPSNET Medical Emergency 🗌 Tail Beacon Code ✓ EDCT Medical Emergency 🗌 Origin ✓ Other Emergency Beacon Code ✓ Ground Stop ✓ Other Emergency Destination 🗌 Origin Altitude Arrival Fix ✓ Destination Speed ✓ Departure Fix 🗌 Taxi Time Runway 🗌 Spot Runway Actual Delay ✓ Parking Gate Runway OpNec Current Delay Gate Conflict 🗌 Spot Estimated Delay Cancel Save for Ouick-Create 0k Preview







This number selection determines the amount of time you are looking at after the current time: look ahead time

<u></u>			_				
Title: DAL Love	Reference Point: Runw	/ay		✓ Setup Filter			
Left Label: Arrivals]	Right Label:	C epartures				
Left Data: Terminal Constrained Time		▼ Right Data: 1	Ferminal Constrained Ti	minal Constrained Time 🔹 👻			
Begin at (min relative to Ref):	-3 × End at (min	relative to Ref):	60 <u>*</u>	Format: Timeline List			
Arrival Color: Arrival	• Dep	oarture Color: Depar	ture Gate 🔻	Show legend			
Timeline Extended Datablock Content							
Arrival	Depa	rture					
🗹 Flight ID 🗌 Altitude	🗹 Fl	ight ID	Parking Gate	🗌 Total Delay			
🗌 Aircraft Type 🗌 Speed	🗹 Ai	rcraft Type 🗌	Gate Conflict	✓ TOS			
🖉 Heavy Indicator 🛛 🗌 Taxi Time	e 🛛 🗌 🗆 He	avy Indicator	APREQ	Long on board			
🗌 🗆 Tail 🛛 🗆 Long on b	ooard 🗌 🗌 Cl	PDLC		OPSNET			
🗌 Beacon Code 🛛 🗹 Medical E	mergency 🛛 🗌 Ta	ul 🗉	EDCT	✓ Medical Emergency			
🗌 🗌 Origin 🔽 Other Em	ergen v 🛛 🗆 Be	acon Code 🛛	Ground Stop	✓ Other Emergency			
Destination	0		Altitude				
		-	Speed				
Runway			∃ Speeu ∃ Taxi Time				
Spot			Actual Delay				
✓ Parking Gate			Current Delay				
Gate Conflict	🗌 🗆 Sp	ot	Estimated Delay				
Ok	Cancel	F	Preview	Save for Quick-Create			

This number selection determines the amount of time you are looking before the current time





Color schemes for the flight datablocks

Select the arrival color scheme. They can be based by arrival, arrival fix, arrival runway or weight types

Title: DAL Love	Reference Poir	nt: Runway		👻 🦳 Setup Fi
Left Label: Arrivals		Right Lab	el: Departures	
Left Data: Terminal (Constrained Time	▼ Right Dat	ta: Terminal Constrained	Time
Begin at (min r	elative to Ref): End	l at (min relative to Ref):	60×	Format: Timeline List
Arrival Color:	Arrival 🔻	Departure Color: D)eparture Gate 🛛 🗲	- Show legend
Timeline Extended D	Arrival Arrival Fix		eparture eparture Fix	Π
_ Arrival —	Arrival Runway		eparture Gate	
🗹 Flight ID	Weight		eparture Runway	🗌 Total Delay
🗌 Aircraft Type	Speed Speed	🛛 🗹 Aircraft Type 🛛 🖤	eight	✓ TOS
✓ Heavy Indicator	🗌 Taxi Time	Heavy Indicator	✓ APREQ	Long on board
🗆 Tail	Long on board		🗹 MIT	OPSNET
🗌 Beacon Code	Medical Emergency	🗌 Tail	✓ EDCT	Medical Emergency
🗌 Origin	Other Emergency	🗌 Beacon Code	🗹 Ground Stop	✓ Other Emergency
Destination		🗌 Origin	🗌 Altitude	
🗌 Arrival Fix		✓ Destination	Speed	
🗹 Runway		🗹 Departure Fix	🗌 Taxi Time	
🗌 Spot		🗌 Runway	🗌 Actual Delay	
✓ Parking Gate		🗌 Runway OpNec	🗹 Current Delay	
🗌 Gate Conflict		🗆 Spot	🗌 Estimated Delay	
Ok	Cance		Preview	Save for Quick-Create

Select the departure color scheme. They can be colored by departure, departure fix, departure gate, departure runway or weight types



How to Change the Settings on the Timeline

Cancel



×

•

Setup Filter

•

Format: 🖲 Timeline 🔾 List

🗌 Total Delay

🗌 Long on board

Medical Emergency

✓ Other Emergency

✓ TOS

OPSNET

Show legend

Data elements for the flight datablocks

Departures

🗌 Parking Gate

Gate Conflict

✓ Ground Stop

🗌 Taxi Time 🗌 Actual Delay Current Delay Estimated Delay

Preview

Terminal Constrained Time

 \mathbf{T}

	There are separate menu boxes for	,	과				Т	imeline	Settings	
	arrivals and		Title:	DAL Love]	Reference F	oint: Rui	nway		
	departures. Select the		Left Label:	Arrivals					Right Labe	I: Departur
			Left Data:	Surface Const	rained Time			•	Right Data	: Terminal (
	information you want		Beg	in at (min relat	ive to Ref):	-3*	End at (mi	in relative	to Ref):	60 -
	to display on the timeline		Ar	rival Color: A	rrival	•	D)eparture	Color: De	parture Gate
				Extended Data	olock Content-					
			Arrival – I Flight		🗌 Altitude			parture — Flight ID		🗌 Parking
				ift Type	Speed			Aircraft T	wne	Gate Co
				/ Indicator	🗌 Taxi Time			Heavy Ind		APREQ
			🗌 Tail	marcator	Long on I			CPDLC	incutor	MIT
			Beaco	n Code	✓ Medical E			Tail		EDCT
			🗌 Origin	n	🗹 Other Em	ergency		Beacon C	ode	🗹 Ground
	For more explanation on		🗌 Desti	nation				Origin		🗌 Altitude
	-		🗌 🗌 Arriva	al Fix				Destinati	on	🗌 Speed
1	the options, please consult		🗹 Runw	/ay				Departure	e Fix	🗌 Taxi Tin
	the user manual		🗌 Spot					Runway		🗌 Actual 🛛
			🗹 Parkii	ng Gate				Runway (OpNec	🗹 Current
			🗌 Gate	Conflict				Spot		🗌 Estimat

0k





25		Timeline Settings			×	
Title: DAL Love	Reference Point:			🗕 Setup Filter		Click on Setup Filter
Left Label: Arrivals		Right Lab	el: Departures			
Left Data: Surface Constra	lined Time	▼ Right Dat	a: Terminal Constrained	d Time ·		
Begin at (min relativ	e to Ref):3 [★] End a	t (min relative to Ref):	60 *	Format: 💿 Timeline 🔿 List		
Arrival Color: Arri	ival 🔻	Departure Color: D	eparture Gate 🛛 👻	🗌 Show legend	(
Timeline Extended Datable	ock Content					
Arrival		Departure				
🗹 Flight ID	Altitude	🗹 Flight ID	Parking Gate	🗌 Total Delay		
🗌 Aircraft Type	Speed	🗹 Aircraft Type	Gate Conflict	🗹 TOS		
Heavy Indicator	🗌 Taxi Time	🗌 Heavy Indicator	APREQ	🗌 Long on board		
🗌 Tail	Long on board		🗹 MIT	OPSNET		
🗌 Beacon Code	✓ Medical Emergency	🗌 Tail	🗹 EDCT	Medical Emergency		
🗌 Origin	✓ Other Emergency	🗌 Beacon Code	🗹 Ground Stop	Other Emergency		
Destination		🗌 Origin	🗌 Altitude		-	
🗌 Arrival Fix		✓ Destination	🗌 Speed			
🗹 Runway		🗹 Departure Fix	🗌 Taxi Time			
🗌 Spot		🗌 Runway	🗌 Actual Delay			
Parking Gate		🗌 Runway OpNec	🗹 Current Delay			
Gate Conflict		🗌 Spot	Estimated Delay			
Ok	Cancel		Preview	Save for Quick-Create		





Timeline Settings ×								
Left Ri	ght							
	Field	Operato	or Values					
	Runway	▼ =	▼ DAL:31L,	DAL:31R DAL:13L -]	Clear	Remove	
AND 🔻	Arr/Dep	-	▼ Arrival	Arrival	•	Clear	Remove	
AND 🔻	Select	-				Clear	Remove	
AND 🔻	Select	-				Clear	Remove	
AND 🔻	Select	-				Clear	Remove	-
								-
		A	dd Fields Sh	ow Query Hide Quer	У			
	Ok	C	ancel	Previo	W	Save for C	Quick-Create	

The filter menu appears





The left or right choice determines what you will display on each side of the timeline

In this example, the left side of the timeline is selected (the right is grayed out). The choice between left and right is made by clicking on the side you want to make timeline selections for

	Timeline Settings	×
Left Right		
Field	Operator Values	
Runway	▼ = ▼ DAL:31L, DAL:31R DAL:13L ▼	Clear Remove
AND 🔻 Arr/Dep	▼ = ▼ Arrival Arrival ▼	Clear Remove
AND Select	▼	Clear Remove
AND 🕶 Select	•	Clear Remove
AND Select	•	Clear Remove
	Add Fields Show Query Hide Query	
OK	Cancel Preview	Save for Quick-Create





Select the dropdown menu to select the criteria to filter the flight datablocks in the timeline.

In this example, Runway has been selected.

	Field	Operator	Values	
	Runway	▼ = ▼	DAL:31L, DAL:31R DAL:13L -	Clear Remo
AND 🔻	Has Jet Route MIT	▲ = ▼	Arrival	Clear Remo
AND 🔻	ls Hidden Origin Runway			Clear Remo
AND 🔻	Spot Tail			Clear Remo
AND 🔻	Weight Class Select	<u>▼</u>		Clear Remo
		Add Fie	lds Show Query Hide Query	





Determine the Operator choices to be equal "=" or not equal "!="

25				Timeline	Settings		 		;
Left Ri	ght						 		
	Field	(Operator	Values					
	Runway		= v	DAL:31L, DA	L:31R DAI	:13L 🔻	Clear	Remove	
AND 🔻	Arr/Dep		!=	Arrival	Arri	val 🔻	Clear	Remove	
AND 🔻	Select	•					Clear	Remove	
AND 🔻	Select	•					Clear	Remove	
AND 🔻	Select	•					Clear	Remove	
					- 1	1			
			Add Fiel	ds Show	v Query H	ide Query	 		
	Ok		Cancel			Preview	Save for C	Quick-Create	





25			Timeline	e Settings		· · · ·	· - · ·
Left Ri	ght						
	Field	Operator	Values		_		
	Runway	▼ = ▼	•	DAL:13L	▼	Clear	Remove
AND 🔻	Arr/Dep	▼ = ▼	Arrival	DAL:13R DAL:31L		Clear	Remove
AND 🔻	Select	~		DAL:31R ADS:15 ADS:33		Clear	Remove
AND 🔻	Select	•		AFW:16L AFW:16R		Clear	Remove
AND 🔻	Select	-				Clear	Remove
							
		Add F	ields Sho	w Query Hide Qu	iery		
	0k	Cance	1	Pre	view	Save for Q	luick-Create

Choose the runway(s) you want to filter the flight datablocks on the timeline

Example: choose DAL:13L and DAL:31R to only see flight datablocks at that runway





You can choose as many additional fields as you need

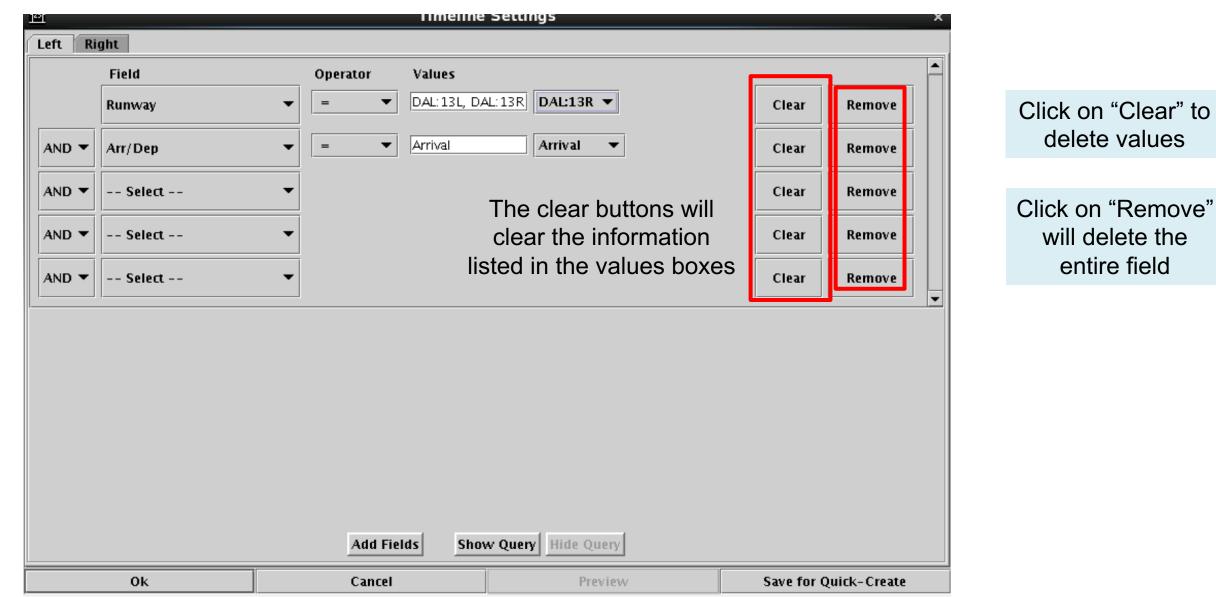
Select "AND" to combine fields (data needs to to meet both criteria)

Select "OR" to add another independent field (data can meet either or criteria)

	IIme	line Settings		X
Left Right				
Field	Operator Values			^
Runway	▼ = ▼ DAL:13	L, DAL:13R DAL:13R	Clear	Remove
AND 🔻 Arr/Dep	▼ = ▼ Arrival	Arrival 🔻	Clear	Remove
AND 🔻 Select	~		Clear	Remove
AND Select	-		Clear	Remove
AND Select	~		Clear	Remove
	Add Fields	Show Query Hide Query		
Ok	Cancel	Preview	Save for Q	uick-Create











		<u>18</u>				settings						
	Left Right											
			Field	Operator Val	ues							
			Runway	▼ = ▼ DAL	.: 13L, DAL:	13R DAL:13R 🔻		Clear	Remove			
		AND 🔻	Arr/Dep	▼ = ▼ Arri	ival	Arrival 🔻		Clear	Remove			
		AND 🔻	Select	•				Clear	Remove			
		AND 🔻	Select	•				Clear	Remove			
		AND 🔻	Select	Image: Market Setting S								
						Title: DAL Love	Reference Point: R		e Point: Runway		← Setup Filter	
						Left Label: Arrivals				Right Label: Departures		
					Left Data: Terminal Constrained Time			-	Right Data: Terminal Constraine	d Time 🔻		
						Begin at (min relative to Ref): $-3\frac{1}{2}$ End at (min relative to Ref):			End at (min relativ	ve to Ref): 60*	Format: () Timeline () List	
						Arrival Color:	Arrival	•	Departur	e Color: Departure Gate 🔻	Show legend	
						Timeline Extended Datablock Content						
Click "Ok" to validate your						Arrival	Altitude		Departure		🗌 Total Delay	
						Aircraft Type	Speed	c	☑ Aircraft		∠ TOS	
				Add Fields	Show	✓ Heavy Indicator	🗌 Taxi Ti	me	🗌 Heavy I		Long on board	
		-	Ok	Cancel		🗌 Tail	Long on board			🗹 MIT	OPSNET	
selectio	n		I			🗌 Beacon Code	🗹 Medica	l Emergency	🗌 Tail	✓ EDCT	✓ Medical Emergency	
						🗌 Origin	🗹 Other I	Emergency	🗌 Beacon	Code 🗹 Ground Stop	✓ Other Emergency	
					Destination	Arrival Fix		🗌 Origin	🗌 Altitude			
								✓ Destina	<u> </u>			
						Runway			🗹 Departu			
	Thon	Then, click "Ok" again to validate				Spot			🗌 Runway			
		ange and see the update on				Parking Gate		C Runway				
	the cha					Gate Conflict Sp			🗌 Spot	Estimated Delay		
		the timeline								ir.		
						Ok		Cancel		Preview	Save for Quick-Create	