

Put down the stopwatch and enjoy the story

GRRM

Season 7 Timeline

The Timeline

For an explanation of the timeline, you can go to [7. Explanation](#)

EPISODE 1

EPISODE 2

EPISODE 3

EPISODE 4

30-40 days before Day 0

- Winter comes for House Frey

7 - 10 days before Day 0

- Arya meets Hot Pie at the Inn at the Crossroads near Harrenhal and decides to go North

Day 0

- Daenerys arrives on Dragonstone

Around days 0 - 10

- Bran and Meera arrive to the Wall

Day 3

- Sam finds out about the dragonglass mines under Dragonstone and sends a raven to Jon
- Daenerys and Varys air their grievances
- Daenerys meets Melisandre and sends a raven to Winterfell

around days 3 - 8

- Daenerys holds her small council meeting
- Olenna Tyrell departs from Dragonstone homeward bound

Day 6

- Jon Snow receives Daenerys' raven

Day 10

- Jon Snow receives Sam's raven telling him about the Dragonglass, tells the northern lords he'll undertake the travel south and leaves Winterfell

around days 20-25

- The Unsullied depart on route to Casterly Rock

around days 25 - 70

- Bran gets to Winterfell

Day 30 - 32

- The Sand Snaks and Yara's Iron fleet depart

Around day 30 - 40

- Sam treats Jorah's greyscale. The next day, Jorah leaves for Dragonstone. [1250 miles trip, probably 40-50 days]

Day 35 (night)

- Euron pwns the Sand Snaks and Yara's Iron fleet

Day 37

- Euron arrives in KL with Cersei's gift
- Jamie and Cersei have sex

Day 38

- Jamie departs to Highgarden to lead the Lannister troops
- Cersei has a meeting with a Braavosi banker: [see 8. Possible unsolved problem](#)
- Euron goes to Casterly Rock (possibly left the day before, possibly not)

Day 40

- Jon arrives on Dragonstone and meets Daenerys
- An escaped Greyjoy ship arrives on Dragonstone and Daenerys gets the bad news

Day 53

- The battles of Casterly Rock and Highgarden happen, ravens to Dragonstone get sent
- Olenna Tyrell, Queen of Thorns, Slayer of All, dies

Around day 55 - 75

- Arya reaches Winterfell

Day 56

- Daenerys visits the dragonglass caves with Jon
- Daenerys receives the bad news about Highgarden

Day 57

- Theon reaches Dragonstone

Day 69-70

- Estimated date of arrival of the Dothraki horde near King's Landing

Day 73

- Field of Fire Battle

Day 74

- Judgement Day for the Tarlys

Day 75

- Daenerys gets back to Winterfell
- Jon gets a raven informing him that Arya and Bran are in Winterfell

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1. Fundamentals

- a) **Events in Game of Thrones are not shown in order nor are they supposed to be seen as happening one after the other in quick sequence.** It's on the watcher to understand that even though we don't see Jon travelling 30 days to Dragonstone it doesn't mean he magically teleported there; it just means that the writers chose not to show us 30 days of him riding a horse, eating meals and visiting the toilet. We get the highlight reel, not the whole story in all of its mundane details.
- b) **Inconsistency isn't always a mistake.** Telecommunication and travel in the Middle Ages were dangerous, very random things. Maybe a trip that was usually 10 days by road becomes 20 because a bridge just crumbled down and you have to take another road, one that maybe goes through an hostile lord's land. Maybe your pigeon/raven got killed by a hawk and you never get the message, or you get the news 10 days later. Maybe a ship route that usually took 15 days takes you 20 days because of Force 10 winds. Or maybe a ship route that usually took 15 days only takes you 8 because of fair weather and very favorable winds.
- c) **Sometimes things are going to be inconsistent.** Narrative ain't scientific. As GRRM the man himself said, sometimes you just have to "put down the stopwatch and enjoy the story".

2. Methodology and credits

For my calculations I have used the awesome map by "SerMountainGoat" which you can ready more about here http://www.sermountaingoat.co.uk/timeline/faq.php#faq_3.2. As you'll see if you click on the link, mapping distances and travel times is a pretty arduous undertaking in Westeros because the official maps we have have no scale and GRRM has, intentionally or otherwise, never provided us with timelines, official distances, etc. Another useful document

I've found is here

<https://docs.google.com/document/d/1KAqa9wwODqaFkeggf8Si6fmuE55-M-GMIj0ZmcKUFxs/edit>. The measurements between the two maps are not terribly consistent - while they are pretty much the same on the short distances, the first map tends to run "larger" and it adds up on the long distances (first map gives a KL - Winterfell *road* distance of 2000 miles, second map only 1500 miles).

In the end, I chose the first map for two reasons: 1) it's more expansive, has sick travel time reference charts and tools and gives better context, 2) it's more realistic. About 2): we know from the books there are 500 leagues of straight-line distance between King's Landing and Winterfell, which translates to about 1500 miles. However, we all know road distances are usually far larger than straight-line, especially in the Middle Ages. Thusly, 2000 miles of road distance for KL - Winterfell seems like the more reasonable choice. Travel was a long, extenuating affair in the Middle Ages, yo.

APPENDIX A: Medieval travel speeds

Ships

Type	Speed	Average range per day
Oar-powered	3 knots (3.4 mph)	55 miles
Sailing ship	5-6 knots (6 mph) to 10 knots	110 miles - 190 miles

Horse

Type of travel	Average range per day
Single or small group riding (3mph)	24 (8 hours pd) - 36 miles (12 hours pd)

Changing horse every 10-12 miles	75-100 miles
Army without supply train	10 - 15 miles
Army with supply train	9 - 12 miles
Royal party with wheelhouse	< 10 miles

Ravens

Westerosi raven	500-600 miles per day
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APPENDIX B: About ravens

Surprisingly enough, real world pigeons can travel 500-600 miles per day. Real world ravens aren't so fast (about 250-300 miles per day), but we know from the books that

“Doves and pigeons can also be trained to carry messages,” the maester [Aemon] went on, “though the raven is a stronger flyer, larger, bolder, far more clever, better able to defend itself against hawks”

This probably hints at the fact that Westerosi ravens are faster, or more robust, flyers than irl pigeons - otherwise, the maesters would have chosen pigeons as their airmail carriers. For this reason, I have chosen to assign Westerosi ravens a conservative 500-600 miles/day fair weather flight range. Although, again, if the maesters chose them over pigeons, it probably means they're capable of doing 700 in great weather/physical condition.

APPENDIX C: Important distances

On road	
Castle Black to Winterfell	680 miles
Winterfell to King's Landing	2000 miles
White Harbor to Winterfell	340 miles
King's Landing to Casterly Rock	800 miles
King's Landing to Highgarden	900 miles
Dragonstone to Highgarden	1200 miles
Inn at the Crossroads to Winterfell	1640 miles
By sea	
White Harbor to Dragonstone	1560 miles
Dragonstone to King's Landing	490 miles
Dragonstone to Casterly Rock	4850 miles
Straight line	
Oldtown to Winterfell	2500 miles
Dragonstone to Winterfell	1580 miles
Highgarden/Casterly Rock to Dragonstone	1250 miles

For reference, Castle Black to Winterfell is the same road distance as middle Norway to Oslo, Winterfell to King's Landing is slightly less than Oslo - Granada (Spain) and White Harbor to Winterfell is just like Oslo to Copenhagen. The navigation from White Harbor to Dragonstone is

more than Reykjavik, Iceland to Amsterdam in the Netherlands. Dragonstone to King's Landing is about Amsterdam to Plymouth in England.

7. Explanation

Season 7 gets into motion with Daenerys' arrival on Dragonstone.

A short, unspecified time later we see her, Tyrion and Varys discussing about the storm.

Daenerys remarks rather despondently that being in Dragonstone didn't feel as warm and fuzzy as she had imagined, which makes me think that at least a few days have passed since the day she arrived with tears in her eyes. For this reason, I chose to put the afternoon/evening in the Small Council room and Melisandre's meeting at day 3 after her arrival (although it could have been day 2 or 5, it doesn't really matter).

What's the deal with Daenerys' raven and Jon's arrival to Dragonstone?

Daenerys' raven gets to Winterfell "a few days" before Sam's (let's say 3 days).

Straight-line Dragonstone to Winterfell is about 1600 miles, Oldtown to Winterfell 2500 miles. A good raven could do the Dragonstone-Winterfell route in about 3 days, the Oldtown-Winterfell route in about 5-7 days. This probably means that Daenerys and Sam sent their ravens at the same time.

Jon immediately discusses the news with the Northern lords and departs from Winterfell. Now, Winterfell - White Harbor is about 340 miles. Jon and a small group of riders going at a fast pace would probably do 30 miles per day, and complete the journey in about 10-12 days. After this, you get the boat travel to Dragonstone. The distance is about 1560 miles, and we know the weather is kinda shitty in the Crownlands in this period of the year. Let's say they travelled at a safe speed of about 5-6 knots, the average medieval cruising speed. A conservative estimate could be about 15 days of travel. So, Jon's trip probably takes 25-30 days. I'll be conservative and put his arrival to Dragonstone at day 40 after Daenerys' homecoming.

When did the Narrow Sea battle happen?

While Daenerys is receiving her guests, Varys brings the news that Yara and the Sand Snakes have been captured. Turns out that the small ship we see at the end of Varys and Mel's conversation is an escaped Greyjoy ship. Let's say there were 500 miles between the battle location and Dragonstone - it probably took the escaped Ironborn something like 3-5 days to return. Let's say they sustained some damage and had a few of their men killed and go with 5 - this means the battle probably happened on Day 35.

Euron has better ships, is close to KL and is something like the best pirate of the world, so he probably arrived in KL before the escaped Greyjoys arrived to Dragostone. Cue the KL scenes and Jamie and Cersei having sex.

Recapping it all:

Day 35 (night) - Euron wins the battle
Day 37 - He arrives in KL , Jamie and Cersei have sex
Day 38 - Jamie leaves for KL
Day 40 - Jon and Dany meet, Dany gets the bad news, Yara and Ellaria get dragged through KL

When did Yara and Ellaria depart?

They were probably just past Blackwater Bay, I'd wager only 300-500 miles from Dragonstone. They probably had been traveling only 3-5 days at most. I put their estimated travel departure at Day 30.

So, this is where we are in episode 3: Daenerys is receiving Jon, and gets the news that a good chunk of her fleet and allies are gone about 2 days after the fact. The King's Landing scene with Cersei doling out her brand of justice and Euron wondering about her anal proclivities probably happen three days before, and Jamie leaves for Highgarden a couple of days before the Dragonstone meeting.

Did Jamie teleport to Highgarden?

Actually no, hear me out.

Even though we hear Tyrion recounting the events of Casterly Rock, it's clear that it's not happening simultaneously - he's describing his strategy to Daenerys and her council, what he thinks will happen.

As we know from the leaks, Daenerys gets to hear about the defeat at Highgarden and Casterly Rock only after she visits the caves with Jon. The Highgarden - Dragonstone raven flight probably takes 3 days. She also gets both news simultaneously, which definitely means both battles happened at the same time or thereabouts.

Now, the distance by sea from Dragonstone to Lannisport/Casterly Rock is about 4800 miles. A good experienced fleet with favorable wind could do the trip in 10-15 days, or even in as little as 8 (if there was consistent high wind with an average of, say, 30 knots). Let's be conservative, and say the trip took about 12 days.

A good experienced fleet with favorable wind could do the trip in about 40 days, or even as little as 24 (assuming 9-10 knots average speed, which looks like the maximum speed for medieval war ships). Let's say they sailed at good speed (6-7 knots) and managed to do the trip in 30 days. It must also be noted that the Unsullied aren't trained sailors.

Now, Jaime is at Highgarden when the battle happens. KL to Highgarden is about 900 miles. By changing his horse every 10-12 miles it could be very well possible for him to cover as much as 75-100 miles per day (as little as 9 days of travel). Or he rode at a slightly lower pace for 10 or 12 days. Or, he rode his horse to Tumbleton and sailed down the river Mander, averaging, let's say, 3-4 knots (rivers don't really allow more than 5).

To be honest, even involving boat/ship travel, we still get a total travel time of about 12 - 15 days to Highgarden, so this is a bit irrelevant. What this tells us is, in conjunction with the ravens arriving together, is that the Casterly Rock & Highgarden battles happened about 12 - 15 days after Jaime's departure from King's Landing.

The big takeaway here is that there's no need for teleportation: it's very plausible that Jaime managed to be in the Reach in time for the battle.

So, how can we order the timeline now?

Day 38 - Jaime leaving for Highgarden + 15 days of travelling
Day 40 - Daenerys meeting Jon, Cersei receiving her gift

Day 41 - Jamie departing for Highgarden + 12 days

Day 50 - 53 - Casterly Rock and Highgarden battles

Day 53 - 56 - (ep 4) Daenerys gets the bad news and decides to take the military lead

What about the Unsullied?

From this we can also retroactively surmise that the Unsullied departed from Dragonstone Casterly Rock-bound on day 15-20 or thereabouts and arrived at Casterly rock after 25-35 days of navigation.

But why did they leave so late if they had already decided on their strategy by day 5?

You don't just agree on a strategy and leave the next day. Ten - twenty days are a very reasonable amount of time to prepare the ships, the men, the food, necessary resources and so on.

Ok but then, did Euron teleport?

Euron had about 4400 miles to cover between King's Landing and Casterly Rock, from day 38 to day 53: that's 293 miles per day, which is 12 miles per hour. Twelve miles per hour is just 10-11 knots, the very top speed for medieval war ships. There's nothing terribly implausible about it - not only it's not out of the realm of possibility, but Euron is also supposed to be the best sailor of the fourteen seas, with the best fleet in the world. It is true that medieval ships generally sailed slower than this, but it's also true that 12th-13th century captains didn't prance around dressed like 90's Eurodisco DJs, so I think we can cut just a couple of inches of slack here.

But how did Olenna manage to be in Highgarden by the time of the battle?

This is easy. We don't know how she got there - the most probable option is that she got to the Reach on a boat (safer than travelling through Lannister-controlled lands). As we know by now, the Dragonstone - Westerlands trip by sea is about 25-45 days. Let's be ultra-conservative and say it took her a full 40 days to get there - she probably departed immediately after the small council meeting (the one where she tells Daenerys to be a dragon), on day 4-6 or thereabouts.

Plenty of time to get to Highgarden (let's say day 44), and be present the day of the siege (let's say day 54). Rest in peace, you magnificent queen.

What about Bran?

Let's say he arrived to the Wall on Day 0. There's 680 miles between Castle Black and Winterfell. He probably got home thanks to a small group of rangers, and he probably travelled in a carriage, which slows things down a bit. They probably didn't exceed 20-25 miles per day = 27-30 day journey. To be honest though we don't know when Bran arrives to the Wall. He might have gotten there way later than day 0. Since they put him in episode 3, which about covers days 25 - 45, I'm going to put him in there.

What does Jon do for two weeks in Dragonstone?

The leaked "preliminary outline" for ep 4 shows he spent an undetermined amount of times looking for the motherlode as described in Sam's map. The caves/some of the tunnels are probably hard to reach or completely closed off so the Dothraki probably spent the better part of those two weeks mining entrances on the rocks (who knows, maybe Jon helped?). He also probably went spelunking a bit (he's the one who finds that extremely reclusive little cave with all the CoF drawings he leads Daenerys to), probably also supervised the transportation of dragonglass blocks and the forging of the first weapons. As far as I understand the situation, he's a honored prisoner on Dragonstone (or Dany would have given him his boat back). The script also mentions he hasn't met Daenerys since she gave him the access to the mines.

Episode 4 update

Let's start by clearing out a possible inconsistency. As we know in Ep 3 Cersei met a Braavosi banker and told him to wait 2 weeks in King's Landing and the Lannister debt would be paid in full.

When she tells him this, Jamie is still in King's Landing.

Let's be clear, there's no way Jamie can realistically make the 900 miles trip to Highgarden, win the battle, and come back with wagons full of gold in 14 days.

As we see in ep 4, Cersei and the banker are patting each other on the back for the victory in Highgarden. The way they talked makes me think the gold wasn't already in KL - they were celebrating the news. What Cersei meant in ep 3 was probably more along the lines of "wait a fortnight and we the Lannisters will be able to repay you in full", not literally "wait a fortnight and on the 14th day we'll physically give you all the gold we owe you". In fact, Jamie did manage to conquer Highgarden by the 14-15th day after his departure.

Now, the trip back from Highgarden to KL can happen either completely on foot or by sailing up the river Mander, the biggest river in Westeros.

While marching 900 miles would take an army about 2-3 months, sailing up the Mander to Tumbleton (150 miles south-west from KL) and completing the journey to KL would only take about 10 days of sailing (averaging 4 knots) and about 8-9 days of fast march. Let's assume 20 days to get the gold to KL, which puts us at about day 53 (day of the battle) + 20 = day 73.

Now, the ravens from Casterly Rock and Highgarden would probably reach Daenerys 3 or 4 days after the battles. Daenerys is angry at Tyrion's piss-poor strategy and decides to take things into her hands.

We know from the dialogue that all the Dothraki are stationed on Dragonstone. There's about 50 miles from the island to the mainland. If Daenerys immediately manned the ships (as she seemed eager to do), the Dothrakis would be on Westerosi mainland no later than the next day, day 57.

Then, they need to go South to the area near King's Landing where the Battle happens. There's 450 miles between Dragonstone and KL. A Dothraki horde, used to covering large distances on their well-conditioned horses, would easily cover it in 16 days (even in as little as 12 - 14 days, if need be), going at a reasonable 30 miles per day.

What about Theon?

He arrived after Daenerys had already gone away. The way Jon and Davos talked about Dany hints at the fact that she had just left (Davos remarks on seeing Jon staring at her) - they

probably wouldn't be having this conversation if Daenerys had already been gone for weeks. So I'll put this on day 57.

What about Arya?

There's about 1600 miles from the Inn at the Crossroads to Winterfell. On horse, she'd complete the trip in about 2 months. Since her arrival is shown in Episode 4, which roughly covers events in the range of day 55 -75, I'm going to put her in that range.

8. POSSIBLE UNSOLVED PROBLEMS

During ep 3 we get a conversation with Cersei and Tycho discussing the Lannister debts. Cersei tells the banker to stay in KL for a fortnight and when he goes back to Braavos the debt will be repaid in full. Of course, she's mentioning the big Tyrell gold loot. Now, this scene *does happen* shortly after her waking up next to Jamie.

The problem is: there's no way Jamie could go to Highgarden (900 miles), wage war, and return (another 900 miles), in just 14 days. Even the fastest method of transportation (changing his horse every 10 miles) would only make him complete the one-way journey in about 9 days.

So, either show Westeros is much smaller than book Westeros (where we have pretty solid indications that the continent is at least 2500 miles straight line from Wall to bottom) or Cersei didn't mean Tycho would return to Westeros physically *with* his ships full of gold - just that in a fortnight the Lannisters would have the possibility to repay him in full (and possibly give him an advance lump sum as they wait for the loot to travel back home).

APPENDIX D: BOATSEX BONUS

As we've seen, the trip from Winterfell to Dragonstone takes a nice 30 days. Dany and Jon will be departing from King's Landing at the end of season 7 (about 2000 miles by sea, about 3-5 days more of navigation than Dragonstone-Winterfell). Jon pouncing on Dany is guaranteed to be on the first night on the ship, so this means they'll have about 35-40 days of #epictravelsex

on the route to Winterfell. You're welcome. Isn't it also a bit suspicious how Daenerys will get to Winterfell a full month after having sex with Jon for the first time? It seems to set the stage perfectly for a pregnancy reveal in the first 1-2 episodes. Time will tell