

8th May 2018- LNC-010116& 010117-LSS

Weather- Dry and clear skys. Humidity up a bit and lower still average temperature. Fine sailing day with following wind

s. 47C(1)

s. 47C(1) and pleasant conditions.

Sheep- the sheep were uniformly well there have been around 3 mortalities in the past 24 hour period.

There is a sick pen with around 12 sheep of various issues from snotty noses to lame of shyfeeders with close oversight. s. 47F(1)

The majority of the sheep were excellent with all eating well and water supply constant. The Awassi in the garage of the ship were by far the most comfortable with the conditions in the garage being today 3-4 degrees cooler than outside.

General flock health was very good with the sheep eating well and drinking well.

Pad condition in general is excellent. Around 3 cm and dry.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5

-30

Between taking the wetbulb temperature on the 5th deck and the lower decks the **s. 47F(1)** noted that the wet bulb temperatures were at 30 degrees and notified the **s. 47F(1)** who then because of the following proceeded to sail a zig zag course to increase th air flow over the decks.

this had a very quick effect on the air flow as can be seen by the quick temperature drop on deck wbt from 30 to 27 degrees. Some of the sheep especially on main deck big rams but others were just starting to show signs of open mouth breathing at 30 wbt however this quickly stopped with the course change.

This occured at 13.30. The humidity increased quite significantly during the morning.

4	-27
3	-27
2	-28
MainDeck	-28
A	-29

B -29

C -28

D -28

E -28

Garage. -28

Cattle washout has started today with the garages and upper cattle deck being done today. Much improved conditions for these cattle. Other decks will be done tomorrow and full washdown from now will be repeated in a 3 day cycle. 2 to wash then 1 rest repeat.

In general the cattle are pretty good.

The angus that went down yesterday died quickly .

TAG NUMBER XXXX.

Post mortem showed it not to be acute infectious pneumonia .

s. 47C(1)

s. 47G(1)(a) s. 47F(1)

(the s. 47F(1) in a New Zealander who speaks with a thuck accent and very fast with great intensity I often have to slow him down and him repeat what he is saying. s. 47F(1)
s. 47F(1)

-The s. 47F(1) is starting to prepare what he calls a wellness pen for shy feeders in the corner of each deck to house potential poorer cattle when they turn up. There are few yet but the s. 47F(1) and s. 47F(1) frequently repeat that these start to show up much more clearly after day 8-9 of a voyage. s. 47F(1) requested this pen to be on the outside of vessel for increased air flow.

-The wash down program is to wash down cattle/deck/cattle second time. Then to saw dust where required then spray s. 47G(1)(a) around for disinfection.

s. 47F(1) requested s. 47G(1)(a) to be administered to the light british cattle and that he will use it for his sheep sick/shyfeeder pen. He will also use it on the sheep decks in general where he feels it might be warranted.

s. 47F(1) will also start to introduce oats to areas of sheep that he feels might need a top up

-Sheep mortality were from deck 4&5 three to 12 noon.

9th May 2018- LNC-010116& 010117-LSS

Weather- Dry and clear skys. Humidity up and increased average temperature. Fine sailing day with following wind ^{s. 47C}
₍₁₎
s. 47C(1)

s. 47C(1) and pleasant conditions. Weather report for the next 4 days is more of the same. Follownig wind around 15 K from the east making the need for the ship to zig zag during the day a requirement. In 4 days over the equator the wind is expected to go further north which will be from the side of the ship and improve aeration.

Sea temperature is now 30 deg and humidity is 85-95%.

s. 47G(1)(a)

Sheep- the sheep were uniformly well there have been around **12** mortalities and 1 awassi for crew to eat slaughtered- 13 in total in the past 24 hour period.

2 were euthanized by s. 47F(1) and rest died . Causes unclear there were no signs of salmonella diarrhoea and at least 1/2 looked to be in reasonable condition.

There has been no real sign of heat stress of any significance.

There is a very small amount of mouth breathing mostly in the merino type sheep. This looks to just be ventilating to reduce heat and not significant heat stress because as soon as I approach they all stop to look at me and breathe normally through their noses.

With genuine severe heat stress they cannot change their concentration and will continue to mouth breathe whatever the stimulus.

The fans rigged over the big rams seems to have helped and they were better today.

There are 3 sick pen with sheep of various issues from snotty noses to lame of shyfeeders with close ^{s. 47F}₍₁₎ oversight.

The majority of the sheep were excellent with all eating well and water supply constant. The Awassi in the garage of the ship were by far the most comfortable with the conditions in the garage being today 3-4 degrees cooler than outside.

General flock health was very good with the sheep eating well and drinking well.

Pad condition in general is excellent. Around 3 cm and dry.

Some of the outside pads are a little more putty like but still no issue.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5

-28

4 -29

3 -29

2 -29

MainDeck -30

A -30

B -30

C -28

D -28

E -28

Garage. -29

Cattle washout has continued today. Much improved conditions for these cattle. Deck C was repeated .

In general the cattle are pretty good.

s. 47C(1); s. 47F(1)

s. 47G(1)(a) s. 47F(1)

s. 47F(1)

s. 47F(1)

s. 47F(1)

s. 47F(1)

s. 47F(1)

s. 47C(1)

s. 47C(1)

s. 47F(1)

Again I note that given the mind set I could make even the best of journeys look bad with selective imagery.

This journey according to discussions despite the early onset of equatorial conditions is really going quite well.

Mortality so far is low and general flock health good. The s. 47F(1) has commented how much room the stock have this trip.

s. 47G(1)(a)

s. 47F(1)

10th May 2018- LNC-010116& 010117-LSS

Weather- Dry and variable cloudy skys. Humidity up and increased average temperature.

Sea temperature is now 30 deg and humidity is 85-95%.

Sheep- the sheep were uniformly well there have been around **8 mortalities in the past 24 hour period.**

**2 were euthanized by ^{s. 47F}₍₁₎ and rest died . ^{s. 47C(1)}
_{s. 47C(1)}**

Developing more humidity today with wbt hovering around 30 for most of the day and it increased to 31 on cattle A deck later afternoon.

There were more signs of heat related issues today. nothing really major but general panting was up and there were even signs of increased respiration in the on deck Awassi. All the sheep are drinking more and urinating more so overall there has been an increase in the tackyness of the pads overall.

Pad condition in general is still fine a little less dry and friable and a little more doughy in consistancy. Around 5cm depth.

Some of the outside pads are a little more putty like but still no issue.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5**-30****4 -30****3 -30****2 -30****MainDeck -30****A -30- 31- 6pm****B -30****C -30****D -30****E -30**

Garage. -29

Cattle washout has continued today on main deck. Much improved conditions for these cattle.

In general the cattle are pretty good.

Around 5.30 pm one of the cattle tag 2858 being treated for lameness and mild resp issue collapsed and died. Necropsy showed little inside but the carcass was extremely hot to touch . Heat related death. This was on deck A where the pm wbt reached 31. The rest of the cattle looked good at this point.

Issues noted- on my lunch time rounds there were several water troughs without water and one sheep 4 way line was turned off and 2 troughs dry because. I turned it back on and sought out the ^{s. 47F}₍₁₎ and the ^{s. 47F(1)} to report this finding for remedial action.

It was oversight but with equatorial type conditions water is the most vital issue.

The ship is still zig zagging every 3 hours as we still have the unfortunate following wind.

In general still hot and humid . Animals faring pretty well but the heat is having more of a presence today than before.

s. 47G(1)(a)

11th May 2018- LNC-010116& 010117-LSS

Weather- Dry and variable cloudy skys. Humidity up and increased average temperature.

Average wbt on the ship is stillhovering around 30 degrees. 28-30.

Sheep- the sheep were uniformly well there have been around **9 ,1 of these was euthanized** mortalities in the past 24 hour period.

A carcass went over the side at 13.30 from what looked like deck 4. It did not look like it had been abdominally opened but I cannot be sure. Usually the dead sheep are disposed of around late morning after the **s. 47F (1)** has seen them. I will discuss with the **s. 47F(1)** as to when they exactly go over and re-clarify with him the exact procedure. **s. 47C(1)**

s. 47C(1)

s. 47F(1)

s. 47F(1)

s. 47C(1)

Humidity still up but for most of the morning there was little wind on the water so the ship was making mostly apparent wind of around 10-12 knots from the starboard for quarter.

s. 47C(1); s. 47F(1)

s. 47C(1); s. 47F(1)

he is still zig zagging the ship every 3 hours. Particular attention is also being paid to the morning sun on the starboard side and the evening sun on the port side. This has the effect of making those pens hotter during these periods.

There were no more signs of heat related issues today than yesterday. All the sheep are drinking more and urinating more so overall there has been an increase in the tackiness of the pads overall.

Pad condition in general is still fine a little less dry and friable and a little more doughy in consistency. Around 5cm depth.

Some of the outside pads are a little more putty like but still no issue.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5

-31

4 -29

3 -29

2 -29

MainDeck -30

A -30

B -30

C -30

D -30

E -30

Garage. -29

Cattle washout has continued today and now there will be a 2 day cycle of washing all the cattle pens. The cattle pens are

quite messy with liquid feaces/pad. The cattle are drinking alot and passing alot so the pens are getting quite sloppy quite quickly. Also the callte are getting dirty.This is why the s. 47F(1) and the s. 47F(1) agreed to a 2 day cycle through these equatorial regions to stop and build up and keep the cattle happier.

There are still a couple of gates down on the floors of some cattle pens. This was raised 2 days ago but there are still some around. There seems to be an area of demarkation where the s. 47F(1) for company rules will not go into the cattle pens. The s. 47F(1) will but they have not moved the gates?

The cattle sleep very deeply on board to the point where sometimes the almost look sick or stressed. No amount of noise really does much but the ship is a very noisy place. Kicking their legs or rumps does little but if you gently kick their noses with your boot they get straight up with nothing wrong with them. They are deeply asleep in the excrement and perfectly happy. Their eyes have rolled back in their heads and for all the world they look dreadful but they are fine. Again I have taken photos and video of these and they could be made to look dramatic but we only have deeply asleep cattle.

All the cattle and the sheep have got into shipboard rythm

and even though they are being well fed you can see the expectation when morning or afternoon feeding is about to occur.

In general still hot and humid . Animals faring pretty well but the heat is having more of a presence today than before.

Weather reports for the next few days suggest that we might have an imporvement in 3 days. With possibly reduced wind and less humidity!!

s. 47G(1)(a)

12th May 2018- LNC-010116& 010117-LSS

Weather- Dry and variable cloudy skys. Humidity up and increased average temperature.

Average wbt on the ship is stillhovering around 30 degrees. 28-32.

Sheep- the sheep were uniformly well there have been around 9 ,1 of these was euthanized mortalities in the past 24 hour period.

Humidity still up but for most of the morning there was little wind on the water so the ship was making mostly apparent wind of around 10-12 knots from the starboard for quarter.

There were nomore signs of heat related issues today than yesterday . All the sheep are drinking more and urinating more so overall there has been an increase in the tackyness of the pads overall.

Pad condition in general is still fine a little less dry and friable and a little more doughy in consistancy. Around 5cm depth.

Some of the outside pads are a little more putty like but still no issue.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5

-31

4 -29

3 -29

2 -29

MainDeck -30

A -31

B -29

C -29

D -30

E -30

Garage.

-29

In general still hot and humid . Animals faring pretty well but the heat is having more of a presence today than before.

Weather reports for the next few days suggest that we might have an imporvement in 3 days. With possibly reduced wind and less humidity!!

There are a few sheep upper deck forward starboard side deck 4 with mild eye infections. I discussed the plan with the ^{s. 47F(1)} His plan is to not treat them at present as they are not bad and he feels that due to the stress of the weather conditions at the present that to much fiddling about with them will cause more trouble than the eyes.

His plan is that anything with only one eye inflammed will be left. If any develop bilateral problems the will have to be removed to the hospital pen and will be treated.

^{s. 47G(1)(a)}

13th May 2018- LNC-010116& 010117-LSS

Weather- Wet and variable cloudy skys. Humidity still up but decreased average temperature.

Average wbt on the ship is hovering around 28 degrees. 28-30.

Sheep- the sheep were uniformly well there have been around 8 mortalities in the past 24 hour period.

there was one lamb born overnight to the ewe that somehow snuck into the loaded merino wethers from fremantle. Lamb is at present well and has been put with mother into a nursery pen with extra sawdust/charf/food and water. Being well managed so far.

Humidity still up but for most of the morning there was little wind on the water so the ship was making mostly apparent wind of around 10-12 knots from the starboard for quarter. We had lots of rain overnight and there is a fair clean up of the upper portside sheep decks required .

There is alot of water around which because of the regular cleaning of the passageways has stayed mostly in these areas and out of the actual pens. The consistancy of the pens continues to get sticker, still only 6 cm deep max but they are quite tacky. They are not an issue for the sheep at all and where they get too liquid or even a bit slushy they are shovelled out and saw dusted. This was done to the hospital

pen and 2 ram pens today.

The reduction in wbt has meant a more pleasant day for the sheep and the cattle. There are no issues with possible heat stress to this point today. It is a welcome relief from the continuous heat and humidity we have had.

The sheep are still coping very well on the whole with very little issues with real heat stress issues so far in the voyage.

I have a copy of the Temperature Humidity Index (THI)

from the Veterinary handbook for cattle, sheep and goats with me and I am finding that the suggested levels of the border of severe stress and very severe stress the table suggests is not being represented in this real time study. The table suggests we should for the last 6 days often been seeing very severe h/s but we are not seeing this as the photographic and video footage will show. The stock have been so far coping well with the conditions. It has however been very calm which will clearly reduce one of the tiring factors for the stock.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5

-28

4

-28

3 -28

2 -29

MainDeck -30

A -28

B -28

C -28

D -28

E -28

Garage. -28

In general still hot and humid . Animals faring pretty well but

the heat is having more of a presence today than before.

s. 47G(1)(a)

14th May 2018- LNC-010116& 010117-LSS

Weather- Dry with clear skys. Humidity still up with increased average temperature.

Average wbt on the ship is hovering around 29 degrees. 28-30.

Sheep- the sheep were uniformly well there have been around 6 mortalities in the past 24 hour period.

Lamb and ewe well with ewe suckling. Plan is for them to continue on as they are and disembark in Jordan all going well

A pleasant day for the sheep and the cattle. There are no issues with possible heat stress to this point today. It is a welcome relief from the continuous heat and humidity we have had.

The sheep are still coping very well on the whole with very little issues with real heat stress issues so far in the voyage.

General ship effort and condition of stock very good.

Wetbulb temperatures- Deck 5

-28

4 -28

3 -28